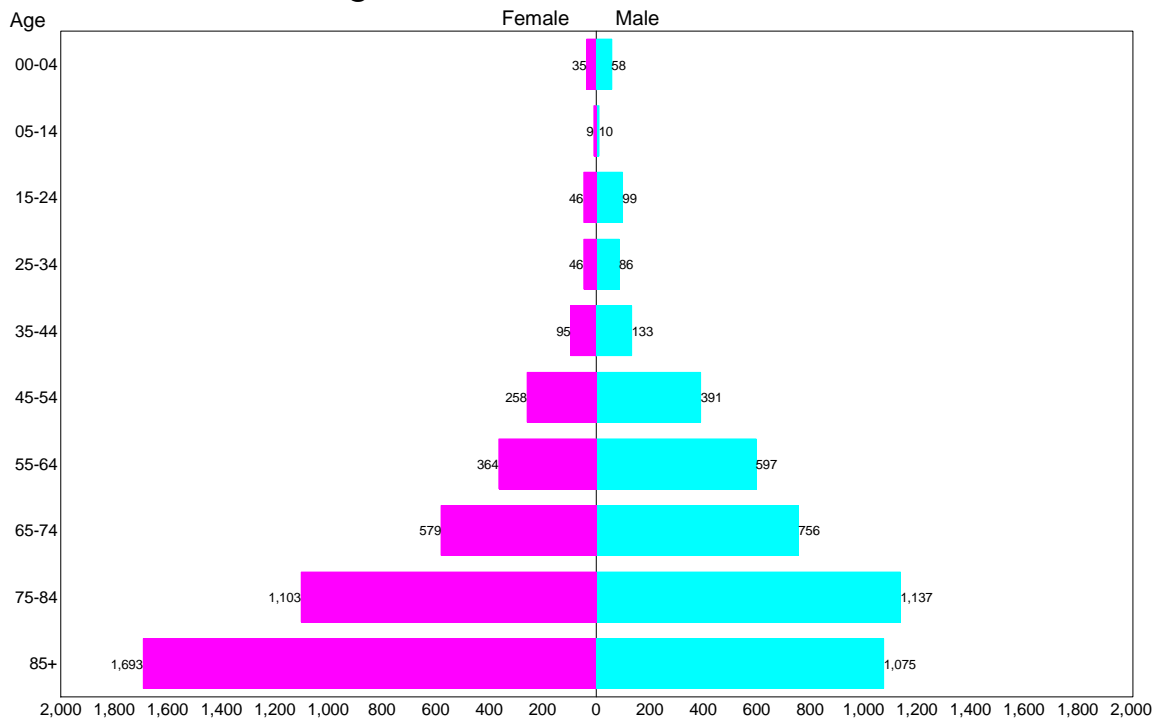


2007

MONTANA

VITAL STATISTICS

Age At Death, Montana 2007



OFFICE OF VITAL STATISTICS

“It is the mission of the Office of Vital Statistics to build and maintain a complete, uniform system of accurate vital information which satisfies the legal requirements of individuals and their families, provides timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensures the security of the information guaranteed by law.”

The Office of Vital Statistics:

Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.

Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.

Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.

Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.

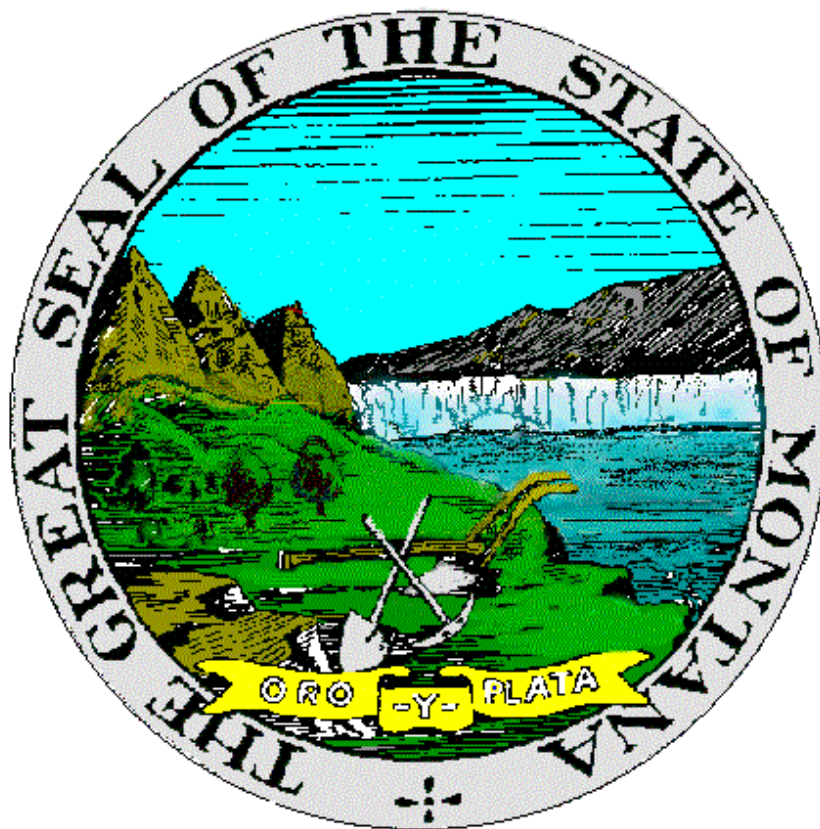
Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.

Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.

Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.

Provides statistical data tabulations and analyses in support of health policy development, status assessment, and service assurance.

On the cover: Inspired by population pyramids, the cover graph highlights the difference in ages at death for males and females. Absolute counts are higher for males at each category until 85+, the age group at which the plurality of females die.



**The Honorable Brian Schweitzer
Governor of Montana**

**Anna Whiting Sorrell, M.P.A.
Director
Montana Department of Public Health and Human Services**

February 2009

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INTRODUCTION

This report was prepared by the Montana Department of Public Health and Human Services (DPHHS), Office of Vital Statistics (OVS). The following organizations also provided information: The Montana Central Tumor Registry (MCTR) and the Montana Communicable Disease Program of DPHHS provided information on cancer incidence and communicable diseases. National data on mortality and natality, as well as Montana population estimates, are provided by the National Center for Health Statistics (NCHS) and provide context for interpretation of Montana vital events. The Judicial Case Management System (JCMS) of the Montana District Court System provided marriage and divorce data. The report provides a reference to some of the more frequently used Montana vital and health statistics. Because it is intended primarily for reference, there is limited analysis and interpretation of the data. These reports, and several additional tabulations, are available on the Montana Vital Statistics website: <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/index.shtml>. More detailed tabulations and analyses are available on request, as time and resources permit. Requests should be directed to the Research Specialist at OVS (444-1756 or bschwartz@mt.gov).

A general discussion of the findings, with descriptive figures, appears on pages 13 through 57. Vital statistics reference tables for 2007 appear on pages 07-1 through 07-65. Where space permits, data for one or more prior years are provided for comparison. A “List of Reference Tables”--starting on page 07-iii --describes each of the reference tables by its contents and location. The naming scheme for these tables is described below.

<u>Beginning Letter</u>	<u>Contents of Reference Table</u>
S.....	selected (mixed record type) statistics
P.....	population statistics
B.....	live birth statistics
D.....	death statistics
F.....	fetal death statistics
A.....	induced abortion statistics
M.....	marriage statistics
C.....	cancer incidence statistics
R.....	reportable (communicable) disease statistics

Records collected by the OVS provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death, as well as transcripts of marriage and legally induced abortions. Any other source of data--such as those mentioned above--is cited in the text or table where the data are used.

VITAL REGISTRATION AND DATA COLLECTION

Registration of births, deaths, and fetal deaths is a legal requirement. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. Most births and deaths occurring in Montana are registered electronically. Funeral directors or others in charge of disposition of the body are responsible for filing death or fetal death certificates. The certificates must be filed with DPHHS or the county’s local registrar no later than ten days after the date the death is discovered. A fetal death certificate must be filed when the fetus weighed 350 grams or more or, if the weight is unknown, when the period of gestation was determined to be 20 weeks or more. Montana vital statistics law makes marriage and marital termination reportable events. Before the tenth day of each month, the clerk of

district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. The Abortion Control Act makes any induced abortion occurring in Montana a reportable event. Facilities performing induced abortions are responsible for reporting to DPHHS within 30 days of the event.

Original copies of fetal death certificates, reports of induced abortion, marriage, and marital termination, and those few birth and death certificates that are not filed electronically, are forwarded to OVS. All birth, death and fetal death certificates are permanently filed with and maintained by the OVS. The office maintains electronic records of all events in Montana's Vital Statistics System.

With the exception of reports of marital termination, which since October 1998 have been collected and edited by the Justice Case Management System (JCMS) and forwarded electronically to this office, OVS staff check all records and reports for accuracy and completeness and, when they are not acquired electronically, code them for data entry. Those data that are not received electronically are key-entered and records of all events, regardless of how they are acquired, are maintained in electronic files. Vital records files contain the legal portions of the certificates and reports. Vital statistics files contain statistical information without identification of individuals.

The OVS designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and local government agencies, modifying these forms as information requirements change. The following statistical data on these vital events are available for analysis:

NATALITY (1989-Current Data Year)

- Date, hour, and place of birth.
- Age, race, ancestry, education, and birthplace of the parents; place of residence and marital status of the mother.
- Pregnancy history, including number of prior pregnancies, date and results of last prior pregnancy; date of last normal menses; month in which prenatal care began and number of prenatal visits; medical risk factors of the mother during the pregnancy; tobacco and alcohol use, and weight gain.
- Birth process (including whether the mother was transferred to the hospital), obstetric procedures, complications of labor and delivery, method of delivery, and clinical estimate of gestation.
- Infant's sex, plurality, birth order, birthweight, and APGAR scores; the prophylactic used in the infant's eyes; reported abnormalities and congenital anomalies of the newborn; whether the infant was transferred to another hospital.

MORTALITY (1989- Current Data Year)

- Date, hour, and place of death.
- Decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.
- Underlying cause of death; whether an autopsy was performed and, if so, whether results were available when cause of death was determined; if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. If death resulted from an injury at work, the industry in which the decedent was employed is recorded. Tobacco use as a contributing cause and pregnancy at or near the time of death. (These last two items are available for data years 2003 and forward only)

FETAL MORTALITY (1989- Data Year)

- Date, hour, and place of delivery.
- Age, race, ancestry, and education of parents; place of residence and marital status of the mother.
- Cause of fetal death; the sex, weight, plurality, birth order, and any anomalies or abnormal conditions of the fetus.
- Significant conditions of the mother, including number of prior pregnancies, date and result of last prior pregnancy; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy--medical conditions, tobacco and alcohol use, and weight gain; clinical estimate of gestation; obstetric procedures; complications of labor and delivery; method of delivery.

MARRIAGE (1993- Data Year)

- Date and place of license issuance; date and place of marriage.
- Age, race, education, birthplace, and residence of the bride and groom.
- Previous marital history, including number of prior marriages and reason for termination of the most recent prior marriage (death or divorce), if applicable.

MARITAL TERMINATION (1993- 1998)

- Date and place of decree; type of termination (dissolution or invalid marriage); legal grounds for invalid marriage; whether the marriage was terminated in tribal or district court.
- Age, race, education, birthplace, and residence of wife and husband.
- Number of this marriage; reason for termination of the most recent prior marriage for each party; date the couple last lived in the same household; length of marriage; and petitioner.
- Number of children born alive of this marriage; number of children under 18 years of age in the household; number of children whose custody was awarded to the wife, husband, both, or another party.

INDUCED ABORTION (1989- Current Data Year)

- Date and place of procedure.
- Age, ancestry, race, education, marital status, birth date, and county of residence of patient.
- Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.
- Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.

TECHNICAL OVERVIEW

DATA SOURCES AND LIMITATIONS

DELAY IN REPORTING

This report includes vital records, reports, and transcripts for calendar year 2007 received before July 15, 2008. The number of records received after this latter date is small, and since the use of this "cut off" date is fairly consistent from year to year, the effect of omitted data on trends and patterns is likely to be minimal.

GEOGRAPHIC ALLOCATION

Table titles or footnotes indicate whether Vital Statistics are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an automobile accident in Montana, the death is counted as a Montana occurrence but is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated either way. For deaths, the place of residence is the usual state and county of residence of the decedent. For births and fetal deaths, the place of residence of the child is the usual state and county of residence of the mother.

Residence data for births, deaths, and fetal deaths occurring outside Montana are available because of a cooperative, interstate transcript-exchange agreement. All states and the provinces of Canada participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems. Interstate data on induced abortions are not available for all states, so all tabulations of abortion data, except those in **Table S-6**, are for Montana occurrences. The resident abortion statistics in this table are incomplete because only in-state occurrences to Montana residents are tabulated.

While we can determine most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of residency changes associated with marital terminations. No exchange agreement is in effect for marriages or marital terminations. These tabulations are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences by the Montana county in which the decree was issued.

CAUSE OF DEATH CERTIFICATION

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. The attending physician or coroner completes this section of the death certificate. It consists of two parts. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the conditions and death. Part II is for reporting any important diseases or conditions that influenced the course of the illness or trauma unfavorably, thus contributing to the fatal outcome, but that were not related to the immediate cause of death. For example, a medical certification might read as follows:

Part I. Death was caused by:				<u>Duration</u>
Immediate cause	Due to	(a)	<i>postoperative bronchial pneumonia</i>	<i>3 days</i>
	Due to	(b)	<i>lobectomy</i>	<i>1 week</i>
Underlying cause	Due to	(c)	<i>primary cancer of lung</i>	<i>1 year</i>
Part II. Other significant conditions				
<i>Hypertensive cardiovascular disease</i>				

The causes of death in this report represent the underlying causes derived from the information provided on Parts I and II. In the above example, the underlying cause would be lung cancer. Each condition or cause reported on death

certificates is classified according to the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, World Health Organization, Geneva, 1992 (ICD-10). The nosologist, the person responsible for coding cause of death, develops an underlying cause using ICD-10 codes and coding procedures developed for nationwide use by NCHS of the Centers for Disease Control and Prevention (CDC), Public Health Services, U.S. Department of Health and Human Services. The ICD-10 code for the death in the illustration above would be C34.9, "malignant neoplasm of bronchus or lung, area or lobe unspecified."

When the underlying cause is a traumatic injury, poisoning, or other adverse effects, this report shows tabulations of deaths according to the nature of the event that led to fatal injury, poisoning, or adverse effect rather than the nature of the event's consequences.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these instances, the probable underlying cause is determined using a system of rules developed by NCHS.

MARRIAGE AND MARITAL TERMINATION

Reliance on national marriage and marital termination statistics is limited by differences in data collection and data availability at or below the state level. Marriage, marital termination and residency are defined by the laws of each state. The minimum age for marriage, marriage license requirements, residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data from state to state.

Data aggregation is also affected by how data are collected and reported. For most states, including Montana, frequency of marriage is based on marriages performed. For New Mexico, New York City, and some counties of Arizona, data represent licenses issued.

POPULATION ESTIMATES

All rates per 1,000 or per 100,000 population in this report are based on population data provided by the U. S. Bureau of the Census (Census Bureau). For intercensal years (all years not ending with "0"), the Census Bureau uses the Tax Return method (formerly, the Administrative Records Method) to arrive at population estimates. This method includes the use of Vital (birth and death) Records. These estimates refer to the resident population on July 1st of the year indicated.

In recent years, OVS has relied on a special series of annual population estimates—U.S. Census Population Estimates with Bridged Race Categories—produced by NCHS. These estimates are stratified by age, race, and sex to derive statewide fertility rates, abortion rates, and age-specific and age-adjusted mortality rates. OVS uses the latest available updates of these population estimates for such calculations.

RACE

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category assignment is based on the opinion of the informant. As such, it likely does not reflect the same definitions of racial groups from one record to the next.

There are two other areas where racial classifications may lack precision: the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "Native American." The proportion of persons in Montana reported as being of Hispanic ancestry is so small, however, that creating racial categories based on combined racial and Hispanic classifications is unlikely to yield any useful information.

The "Other" category is made up of all individuals not classified in the identified group(s) shown in that table. Those for whom race is not reported are therefore included in the "Other" category in these reference tables. According to the 2000 Census, more than 90% of Montana's population at the time considered itself white, while indicating no other racial classification. Another two percent of the population considered itself white in combination with some other racial classification, such as African American or American Indian (Native American). Thus, classifying persons of unknown race as "Other" could introduce an unknown, probably slight, bias into statistics calculated from the data in these tables.

While only one race on was previously reported on all vital event records, multiple races are now recorded on live birth, death, fetal death, and induced abortion records. Marriage and divorce forms still contain only single-race items. Beginning with the revised Montana death certificate in 2003, informants were asked whether the decedent belonged to one or more of 14 specific racial groups or any other unspecified race. Similar changes were made to the induced abortion report in 2007 and the live birth and fetal death certificates in 2008. Informants were encouraged to "check one or more races" to indicate what the decedents, parents, or patients considered themselves to be. They were also encouraged to identify any racial or ethnic group or tribal affiliation that applied. OVS examines each of the death records received for the decedent's national heritage, including affiliation with a known American Indian tribe, and classifies any record with such an affiliation accordingly.

For purposes of tabulating death and abortion records, racial classifications shown in this report are based on a "bridged race" category, in which four racial groups--white, black, American Indian or Alaska native (AI/AN), and Asian and Pacific islander--are reported. Records for which only a single race is reported are assigned a bridged category according to the race the informant provided. NCHS "bridges" those records for which two or more races are reported; a "main" race is assigned using a probabilistic model. Bridged race categories are intended for the calculation of population-based rates. For births and fetal deaths, still reported in the single-race format in 2007, the race of the infant or fetus is defined as the reported race of the mother.

MARITAL STATUS

The mother's marital status is designated "Married" on the birth record if the mother is reported on the birth certificate as married "at birth, conception, or any time in between". Status is designated "Married" on the fetal death certificate if the mother was married "at delivery, conception, or any time in between".

Marital status for death and abortion records is "Married or Separated," "Divorced," "Widowed," or "Single" as described by the informant. The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

LIMITATIONS OF SMALL NUMBERS

The occurrence of vital events is subject to chance variation. For example, a birth at 11:59 P.M. on December 31 would be counted in one year. If the infant had been born two minutes later at 12:01 A.M., the birth would be counted in the following year. This phenomenon is not of great importance for states or counties with large populations, since the relative number of births is not greatly affected by one event. However, for Montana counties, with relatively small populations, the occurrence of an event in one year rather than the next could change the pattern of events and might lead to mistaken conclusions about trends in the county's birth rate.

Rates or trends based on small numbers, perhaps less than 100, must be interpreted with caution. Meaningful conclusions cannot be drawn based on frequencies of less than five. This report provides the frequency and rate in all tables where rates based on small numbers of events may appear so readers can gauge the reliability of these rates for themselves.

Similarly, percentages based on small totals can be misleading. For example, if three of ten births in a county were to mothers aged 18 or 19 years, the distribution of births by mother's age would show that 30% of the county's births were to teenagers. While accurate, this statistic is probably of limited value for making policy.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability in rates or percentages based on small numbers. An example is the five-year infant mortality rate shown in **Table D-8** or those displayed in **Figure 11**. OVS has limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

DATA TABULATION AND PRESENTATION

GEOGRAPHIC TABULATION

Birth, death, fetal death, and induced abortion data are tabulated for Montana residents by place of residence and for all vital events occurring in Montana by place of occurrence. All occurrence statistics include events that occurred in Montana to residents of other states. Births, deaths, and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on induced abortions include only in-state occurrences.

USE OF RATES AND RATIOS

It is sometimes quite useful to adjust a rate or ratio for factors in the population that may affect the measurement. For instance, mortality rates, expressed as numbers of deaths per 1,000 or 100,000 resident population, can be adjusted to account for the effects of demographic factors that might affect mortality, such as race or age composition of the population. Where such adjustments have been made in this report, that fact is indicated in the title or footnote of the table or graph.

However, most reference tables in this report present rates and ratios that have not been adjusted to account for such factors. In such "crude" rates, the denominator is the estimated state or county population, divided by 1,000 or 100,000, and the numerator is the number of events, not weighted by any factor. Examples of crude rates are given in the DEFINITIONS section below.

DEFINITIONS

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Cause of death, race, marital status, and population estimates, discussed elsewhere in the TECHNICAL OVERVIEW SECTION, are not included here.

ABORTION - the spontaneous or induced termination of a pregnancy, without live birth or unintended death.

ABORTION RATIO - the number of induced abortions reported to the OVS, compared to the number of live births. It is calculated as follows:

$$\text{Abortion ratio} = \frac{\text{Number of induced abortions}}{\text{Number of live births}} \times 1,000$$

AGE - the calculated or reported age of the person(s) involved in a vital or reportable event. For fetal deaths, parents' reported ages were used. For births, induced abortions, marriages, divorces, and reportable cancers, age was

calculated based on reported date of birth and date of the event. For deaths, age was calculated as the number of days between birth and death dates. Age in days was divided by 365.25 and truncated to yield age in years if the decedent was one year old or older. Where the record of the month or day of birth were incomplete or invalid, the month was assumed to be June and the day was assumed to be the 15th for the calculation of age in years.

AGE-ADJUSTED DEATH RATE - an index number that represents the crude death rate that would occur if the observed age-specific death rates were present in a population with an age distribution identical to that of a standard population. It is derived from several age-specific death rates and used to compare relative mortality risks from one group to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the proportionate distribution of age in a hypothetical population. It is possible to adjust death rates for other demographic variables that might influence mortality, such as race, sex, or ancestry. (See AGE-SPECIFIC DEATH RATE below and AGE-ADJUSTED DEATH RATES in the MORTALITY section of the report for more discussion.) It is

calculated in this report by the direct method, using the 2000 U.S. population as the standard population, as follows:

$$\text{Age - adjusted death rate} = \sum_{i=1}^{11} S_i w_i$$

where S_i = the age - specific death rate for the i^{th} age group

where w_i = the weight of the i^{th} age group in the standard population

AGE-SPECIFIC DEATH RATE – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. The “standard 11” age groups are typically used: 0 years of age, 1 – 4 years of age, 5 – 14, 15 – 24, ... , 75 – 84, and 85 years of age or older. It is calculated as follows:

$$\text{Age specific death rate} = \frac{\text{Number of deaths within the age group}}{\text{Midyear population of the age group}} \times 1,000$$

APGAR SCORE - an evaluation of a newborn infant’s physical status that assigns numerical values (0-2) to each of five criteria 1) heart rate, 2) respiratory effort, 3) muscle tone, 4) response stimulation, and 5) skin color; a score of eight to ten indicates the best possible condition.

AT-RISK POPULATION - all of the persons to whom a given event could occur. The at-risk or "subject" population is the denominator in a rate calculation. (See the use of "at risk" in the definition of FERTILITY RATE).

BIRTH RATE - the proportion of live births in the total population, expressed as a number per thousand persons in that population. Unless otherwise stated, the birth rate is the annual, crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$\text{Crude birth rate} = \frac{\text{Number of live births}}{\text{Midyear population}} \times 1,000$$

DEATH RATE - the proportion of deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$\text{Crude death rate} = \frac{\text{Number of deaths}}{\text{Midyear population}} \times 1,000$$

EXTREMELY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,000 grams (about 2 pounds 3.25 ounces).

FERTILITY RATE - the total number of live births as a proportion of the estimated female population at risk, expressed as a number per thousand women in that population. The population at risk of experiencing a birth is all fertile women. The approximation used is all women in the main childbearing ages (15 to 44 years). It is calculated as follows:

$$\text{Fertility rate} = \frac{\text{Number of live births}}{\text{Midyear population of women aged 15 - 44}} \times 1,000$$

FETAL DEATH - the reported birth of a fetus that shows no evidence of life after delivery--that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires report of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, the delivery took place after 20 weeks of gestation. There is no requirement in Montana law to report the delivery of a non-viable fetus with a lower weight.

FETAL MORTALITY RATIO - the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Fetal mortality ratio} = \frac{\text{Number of fetal deaths}}{\text{Number of live births}} \times 1,000$$

FREQUENCY - the number of occurrences of an event or observation; how often an event occurs.

ICD - the International Classification of Diseases code used to classify and report causes of death in vital statistics. This code is revised periodically. The current revision is called the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, and is published by the World Health Organization. In this report, the code is referred to as ICD-10. (See the "Cause of Death Certification" and "Cause of Death and Conversion to ICD-10" sections of this report for further details).

INCIDENCE - the number of new occurrences of an event within a population during a stated time period for a given number of persons in that population. The time period is assumed to be annual unless otherwise stated. The incidence rate for reportable diseases is expressed as the number of new cases per 100,000 population.

INDUCED ABORTION - a medical or surgical procedure that is intended to terminate a pregnancy without live birth.

INFANT - an individual less than 365 days (one year) old.

INFANT MORTALITY RATE - the number of infant deaths compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Infant mortality rate} = \frac{\text{Number of infant deaths}}{\text{Number of live births}} \times 1,000$$

INVALID MARRIAGE - a marriage deemed never to have been legal; a declaration of invalid marriage was formerly called an annulment.

LIVE BIRTH - the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

LOW BIRTH WEIGHT - the birth weight for a live-born infant of less than 2,500 grams (about five pounds, eight ounces).

MARITAL DISSOLUTION - legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

MATERNAL DEATH – a death attributable to childbirth or complications of pregnancy, delivery, and the puerperium. Deaths attributable to such causes but occurring more than 42 days after delivery or termination of pregnancy are termed “late maternal deaths.”

MATERNAL MORTALITY RATE - the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is calculated as follows:

$$\text{Maternal mortality rate} = \frac{\text{Number of maternal deaths}}{\text{Number of live births}} \times 100,000$$

MEAN - the arithmetic average, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

MEDIAN - the midpoint; for our purposes, given a set with an odd number of values, the median is the middle value when arranged in numerical order. For a set with an even number of values, the median is the mean of the two “middle” values. For the example under the definition of MEAN, the median age is 12.5 years.

MODE - the most frequently observed value in a set of values. For the example under the definition of MEAN, the modal age is 13.

NATURAL INCREASE - the excess of births over deaths among residents of an area.

NEONATAL DEATH - a death occurring within the first 27 days of life.

NEOPLASM - a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. Malignant neoplasms are commonly called cancers.

OUT-OF-WEDLOCK BIRTH RATIO - the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Out - of - wedlock birth ratio} = \frac{\text{Number of live out - of - wedlock births}}{\text{Number of livebirths}} \times 1,000$$

PARITY - the condition of a woman with respect to her having borne viable offspring. The parity of this birth is the number of live children the woman has borne, including those born in the current delivery.

PERCENTILE - (as in xxth percentile) a statistic used to describe the dispersion of a set of values. One-quarter of the values in a set are less than or equal to the value of the 25th percentile; one-half are less than or equal to the 50th percentile (or median); etc. The 25th and 75th percentiles are found by counting out to the first quarter and three quarter of the values, respectively. When this count lands between two values in the list, averages can be taken, although any number between the two would suffice. For the example under the definition of MEAN, the 25th percentile is 11 and the 75th percentile is 13.

PERINATAL DEATH - a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

PERINATAL MORTALITY RATE - the number of fetal deaths plus neonatal deaths as compared to the number of deliveries (fetal deaths plus live births), expressed as a number per thousand live births in that population. It is calculated as follows:

$$\text{Perinatal mortality rate} = \frac{\text{Number of fetal deaths} + \text{neonatal deaths}}{\text{Number of live births}} \times 1,000$$

PLACE OF OCCURRENCE - the location where an event took place, regardless of the usual residence of the person(s) involved.

PLACE OF RESIDENCE - the usual residence of the person(s) involved in a vital event, regardless of the event's place of occurrence. For births and fetal deaths, the mother's usual place of residence. For induced abortions, the usual place of residence of the patient. For deaths, the usual place of residence of the decedent.

PLURALITY - the number of infants born during this delivery.

POST-NEONATAL DEATH - during the first year of life, but after the first 27 days.

PUERPERIUM - the condition of the mother immediately following childbirth.

RATE - the frequency of an event in a population subject to that event, expressed as the frequency of occurrence per unit--generally 1,000 or 100,000--of the subject population. For example, the Montana resident birth rate per 1,000 population is the number of births to Montana resident women for every 1,000 men, women, and children in the Montana population.

RATIO - the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the fetal mortality ratio is the number of fetal deaths per 1,000 live births to resident women. The population, fertile women residing in Montana, is the same for both events, but the events are unlikely to have happened to the same women. Also, the total number of fertile women is not part of the calculation; the basis for the unit (the denominator) is live births, one of the events.

STAGE AT DIAGNOSIS -The extent to which a cancer has spread when it is first diagnosed. Summary stages for cancer diagnoses are:

In-Situ - An abnormal cell growth that meets the criteria for malignancy but does not invade the basement membrane of the organ involved.

Local - A cancer that is limited to the site of origin. It has not spread beyond the organ.

Regional - A cancer that extends to adjacent organs and/or regional lymph nodes, and appears to have spread no further.

Distant - A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Unknown - A cancer for which there is insufficient information available to determine the stage at diagnosis.

STANDARD DEVIATION - a measure of how “spread out” a set of values is, on average, from its mean. A small standard deviation indicates that, on average, the values are tightly grouped around the mean while a large standard deviation indicates that, on average, the values are scattered widely. For the series of values presented for the definition of MEAN, the standard deviation is 2.27. For a set of N values, it is computed as follows:

$$\text{Standard deviation} = \sqrt{\frac{1}{N} \sum_{i=1}^N (x_i - \mu)^2}$$

where μ = the mean of the set of N values

where x_i = the i^{th} value in the set of N values

SUBJECT POPULATION - see AT-RISK POPULATION.

SURVIVAL RATE - the percentage of people diagnosed with a life-threatening disease and remaining alive as of a stated time period after diagnosis.

THERAPIES - procedures used to treat cancer or other health conditions. The following are therapies for reportable cancers:

Biological Response Modifiers (BRM) Therapy - administration of a chemical that alters the patient's immune system to destroy cancer growth.

Chemotherapy - administration of a drug to destroy cancer cells.

Hormone Therapy- administration of a hormone or steroid drug that destroys cancer by changing the hormone balance of the patient.

Radiation - the transmission of light, short radio waves, ultraviolet light, or x-rays to destroy cancer cells. Radiation may reduce the size, destroy the cancer, or stop growth of the cancer.

Surgery - a partial or total removal of a primary cancer or a metastatic cancer.

VERY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

YEARS OF POTENTIAL LIFE LOST (YPLL) - A measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed for all decedents younger than the given age.

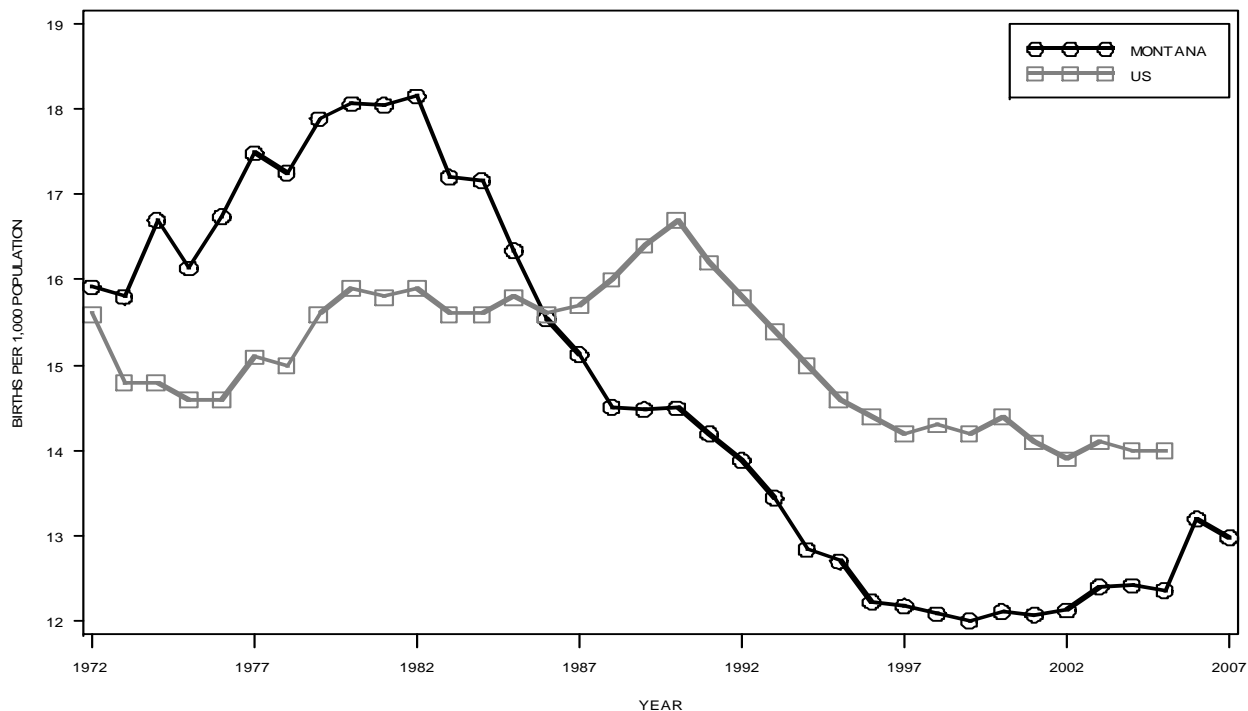
NATALITY

There were 12,437 babies born to Montana residents in 2007. **Table S-1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) each year since 1946.

The Montana birth rate was in long-term decline from the early 1980s to 1999. However, the rate of births to Montana residents has apparently leveled off and even begun to increase a bit in recent years. It climbed to 13.2 per 1,000 residents in 2006 and the fell just a bit in 2007 to 13.0. **Figure 1** below compares the resident birth rates for Montana and the U.S. for the last several years.

Figure 1

RESIDENT BIRTH RATES MONTANA AND THE UNITED STATES, 1972-2007



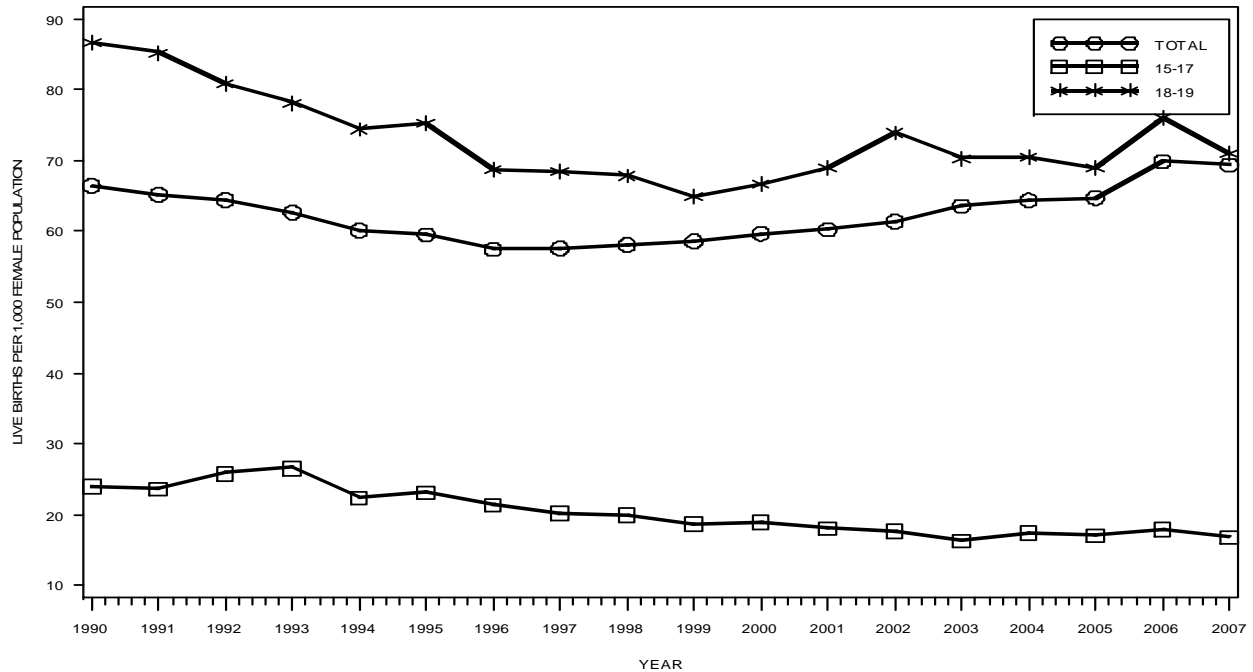
While the Montana rate exceeded the U.S. rate from 1971 to 1985, it began to decline in the early 1980's, fell below the U.S. rate in the mid-1980s, and has been the lower of the two since then. Preliminary data for 2006, the last year for which national statistics are available, only nine states and the District of Columbia had lower birth rates than Montana's. None of those states was west of the Mississippi River.

FERTILITY

The fertility rate, calculated as the number of births per 1,000 females of childbearing age (assumed to be ages 15-44, inclusive), is sometimes considered more useful than the birth rate for many analytic purposes because it is specific with regard to sex and age of the "at-risk" population. Montana's fertility rate from 1990 to 2007 is shown in **Figure 2** for mothers of all ages, mothers between the ages of 15 and 17, and those between the ages of 18 and 19. This graph shows fertility rates for Montana mothers of all races.

Figure 2

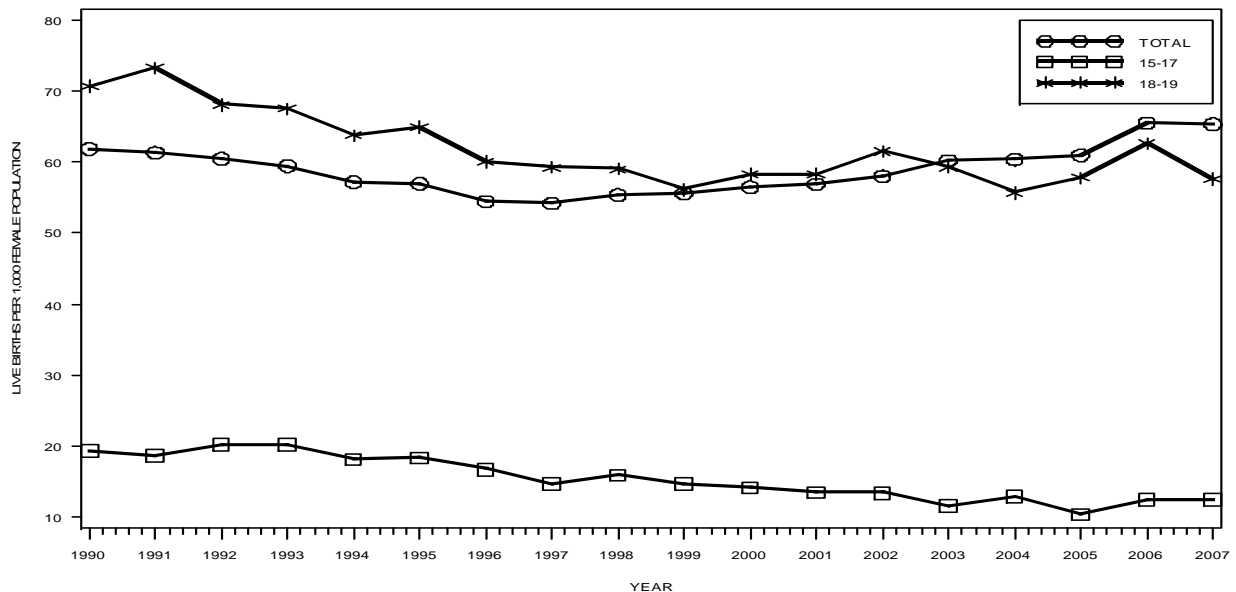
**FERTILITY RATES FOR MOTHERS OF ALL RACES
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2007**



The rate of fertility among various racial groups can be quite different from those of the population as a whole, as is illustrated by **Figure 2** above, **Figure 3** below, and **Figure 4** on the next page. Examination of the respective rates for whites and Native Americans for the previous several years is revealing.

Figure 3

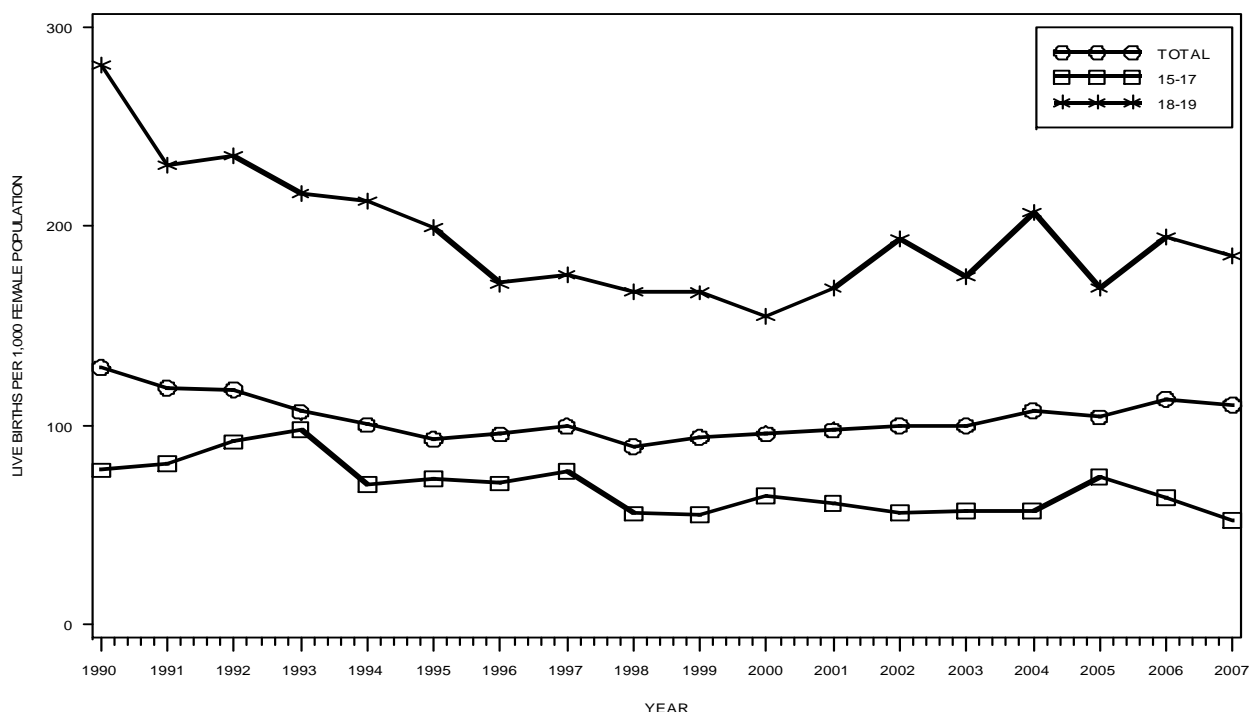
**FERTILITY RATES FOR WHITE MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2007**



In 2007, the fertility rate for Montana’s white mothers of any age was 64.5. The rate for white mothers between 15 and 17 was 12.7, and the rate for white mothers between the ages of 18 and 19 was 57.0. Fertility rates for Native Americans were substantially higher in these age groups—109.8, 53.6, and 185.2, respectively.

Figure 4

**FERTILITY RATES FOR NATIVE AMERICAN MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2007**



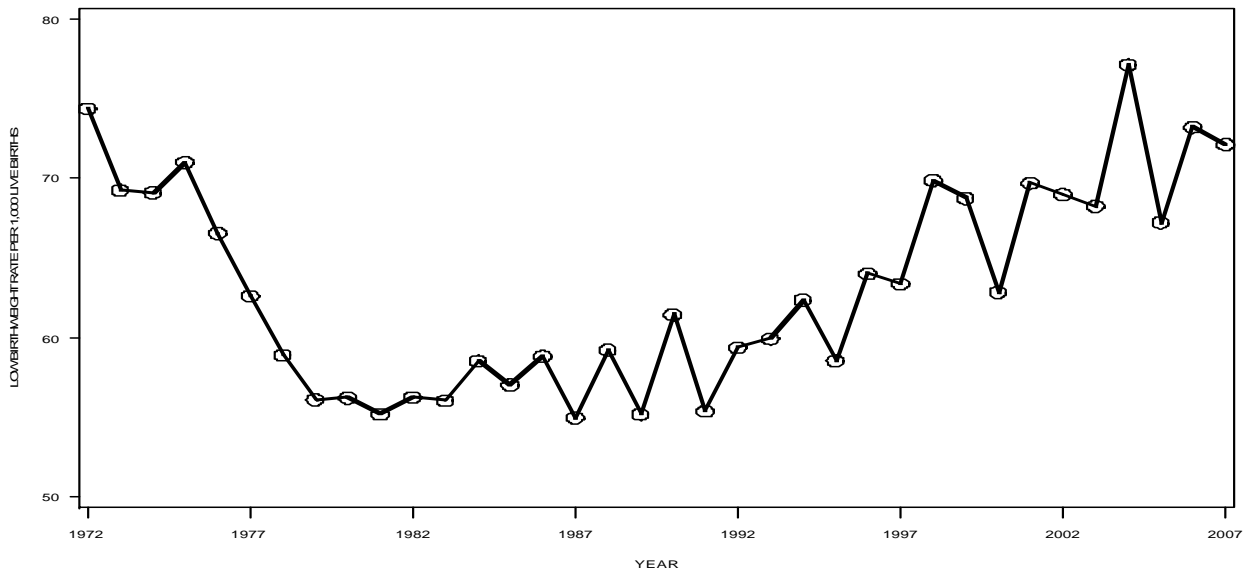
Rates of change for these fertility rates also varied among different groups during this period. While the Native American fertility rates for all of these age groups were higher than those for whites in 2007, the fertility rate for Native American teens aged 15 to 19 years fell farther in proportional terms in this period (35.0%) than that for whites (25.8%). The white fertility rate for the ages 15-17 fell by about a third (34.7%) while that for Native Americans fell by slightly more (36.0%). The Native American fertility rate for teens aged 18 to 19 years fell by almost a third (32.4%) while that for whites grew by 5.2%

LOW BIRTHWEIGHT

Table B-3 shows the frequency of birth by birthweight category and the mother’s county of residence. **Figure 5**, on the following page, shows an increasing rate of low birthweight babies born to Montanans since the early 1980s. The rate was 55.2 in 1981 and in 2007. While low birthweight has been identified by NCHS as one of the best predictors of infant death, this relationship does not seem to be the case—or at least, is much more complex than a simple correlation—for the Montana infant population as a whole, as the trend of infant mortality among Montanans in **Figure 11** shows. While the low birthweight rate trends upward, rates of infant and perinatal death are falling for Montana residents.

Figure 5

**RATE OF LOW BIRTHWEIGHT BIRTHS
MONTANA RESIDENTS, 1972-2007**



MOTHER'S AGE, RACE, AND MARITAL STATUS

Those giving birth in 2007 were mostly married white women between the ages of 20 and 35 years. **Table S-6** shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table S-3** shows the frequency of births by the mother's race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Figure 6

**PERCENT OF BIRTHS TO UNMARRIED MOTHERS
MONTANA AND U.S. RESIDENTS, 1972-2007**

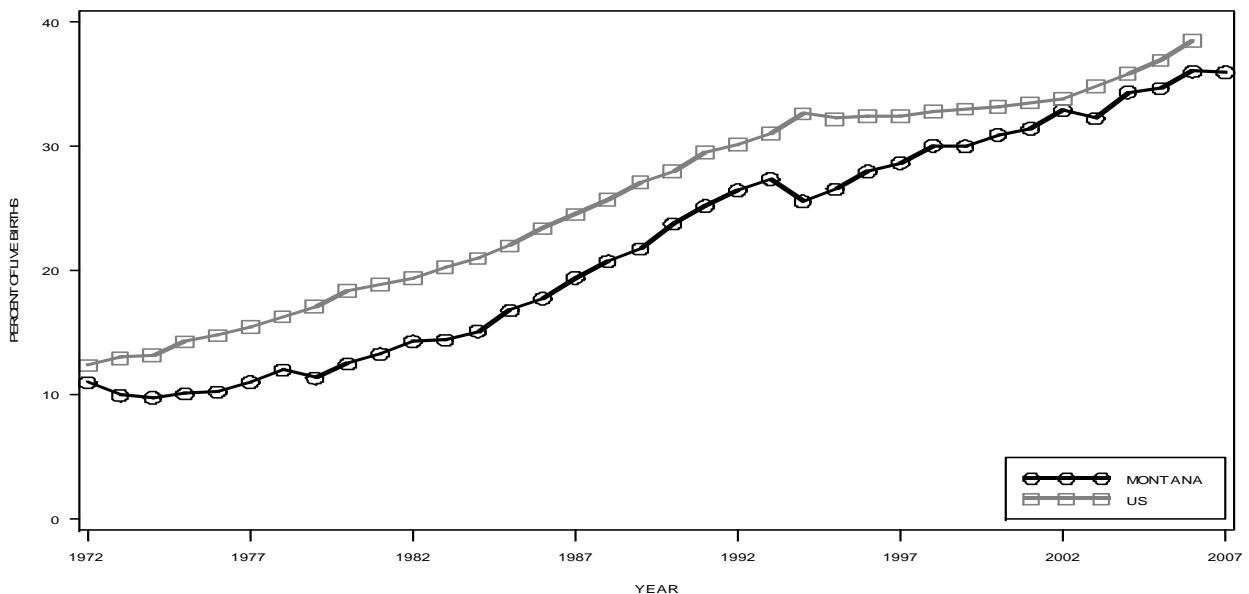


Table B-1 shows the frequency and percent of resident births to unmarried mothers for the years 2000 through 2007. **Table S-5** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2007. **Figure 6**, on the previous page, shows the trend in those births to unmarried women for residents of Montana and the United States since 1972. Births to unmarried women represented 13.3% of Montana's resident births in 1981, 23.7% in 1990, 30.8% in 2000, and 35.8% in 2007.

By comparison, unmarried women in the U.S. accounted for 18.9% of the resident births in 1981, 28.0% in 1990, 33.2% in 2000, and 36.9% in 2005 (the latest year for which a national statistic is available). The Montana proportion of births to unmarried mothers has been, for more than two decades, somewhat below the U.S. proportion. However, the long-term trend for Montana is increasing and appears to be converging with the national trend over this period.

METHOD OF DELIVERY

About three quarters of the infants delivered in Montana in the years 1998 through 2007 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As **Figure 7** shows, the likelihood of a vaginal delivery decreases steadily with increasing age of the mother. This pattern holds for both whites and Native Americans.

Figure 7

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1998-2007

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
ALL METHODS	Number	113,762	95	3,694	8,732	32,014	32,191	23,464	10,959	2,444	164	5
	Percent	100	100	100	100	100	100	100	100	100	100	100
VAGINAL	Number	84,260	82	3,068	7,097	24,894	23,998	16,435	7,146	1,455	80	5
	Percent	74.1	86.3	83.1	81.3	77.8	74.5	70.0	65.2	59.5	48.8	100
VAGINAL AFTER C-SECTION	Number	2,265	-	5	43	356	695	684	391	86	5	-
	Percent	2.0	-	0.1	0.5	1.1	2.2	2.9	3.6	3.5	3.0	-
PRIMARY C-SECTION	Number	16,362	12	601	1,347	4,509	4,319	3,291	1,746	482	55	-
	Percent	14.4	12.6	16.3	15.4	14.1	13.4	14.0	15.9	19.7	33.5	-
REPEAT C-SECTION	Number	10,868	1	19	244	2,252	3,178	3,054	1,676	420	24	-
	Percent	9.6	1.1	0.5	2.8	7.0	9.9	13.0	15.3	17.2	14.6	-
NOT STATED	Number	7	-	1	1	3	1	-	-	1	-	-
	Percent	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-

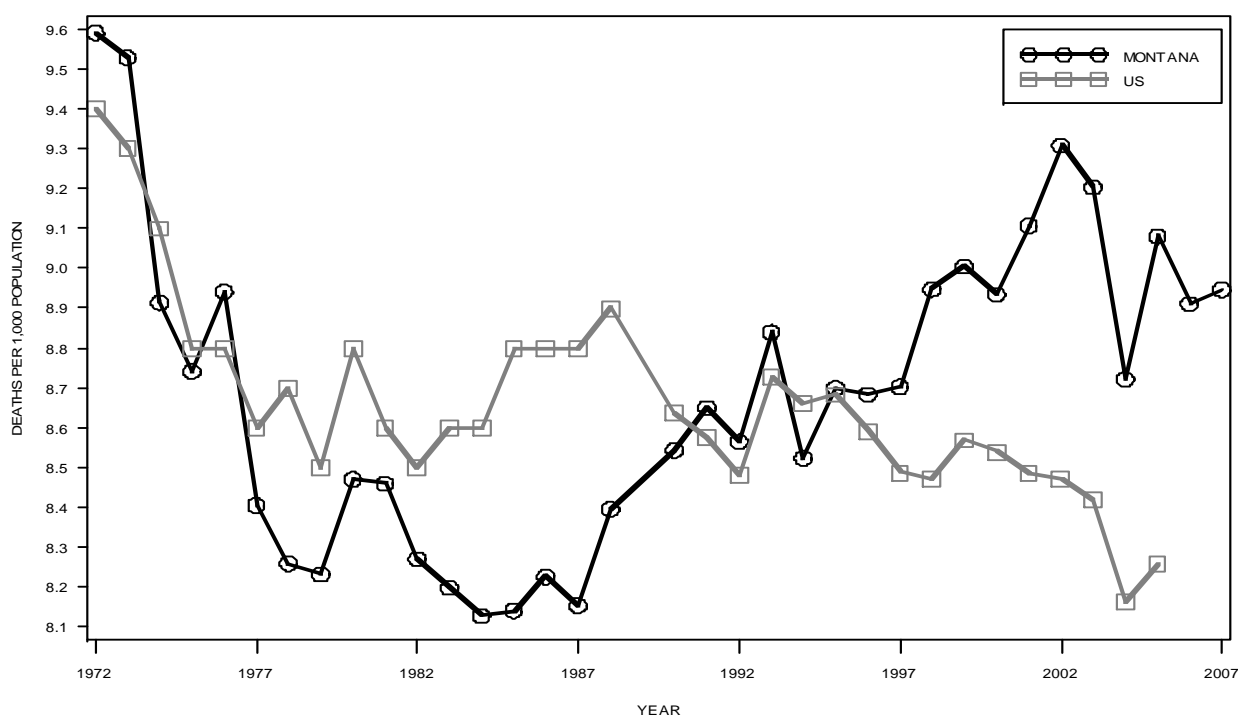
MORTALITY

Montana's crude annual resident mortality rate in 2007 was 8.9 per 1,000 estimated midyear population. There were 8,570 Montana residents who died in that year and their median age was 78 years. Of these people 4,342 (50.6%) were males 4,228 (49.3%) were females.

Figure 8 shows the crude death rates per 1,000 population for Montana and U.S. residents from the last several years. Montana's annual rate followed the national trend fairly closely throughout the earliest part of this period. However, there were notable differences since the early nineteen eighties. Both rates declined precipitously in the early seventies through the early eighties but then began to increase, although at somewhat different rates, through the late eighties. The U.S. rate has been on a long-term decline since 1988. Montana's rate, while somewhat unstable, has been rising since the mid-1980s.

Figure 8

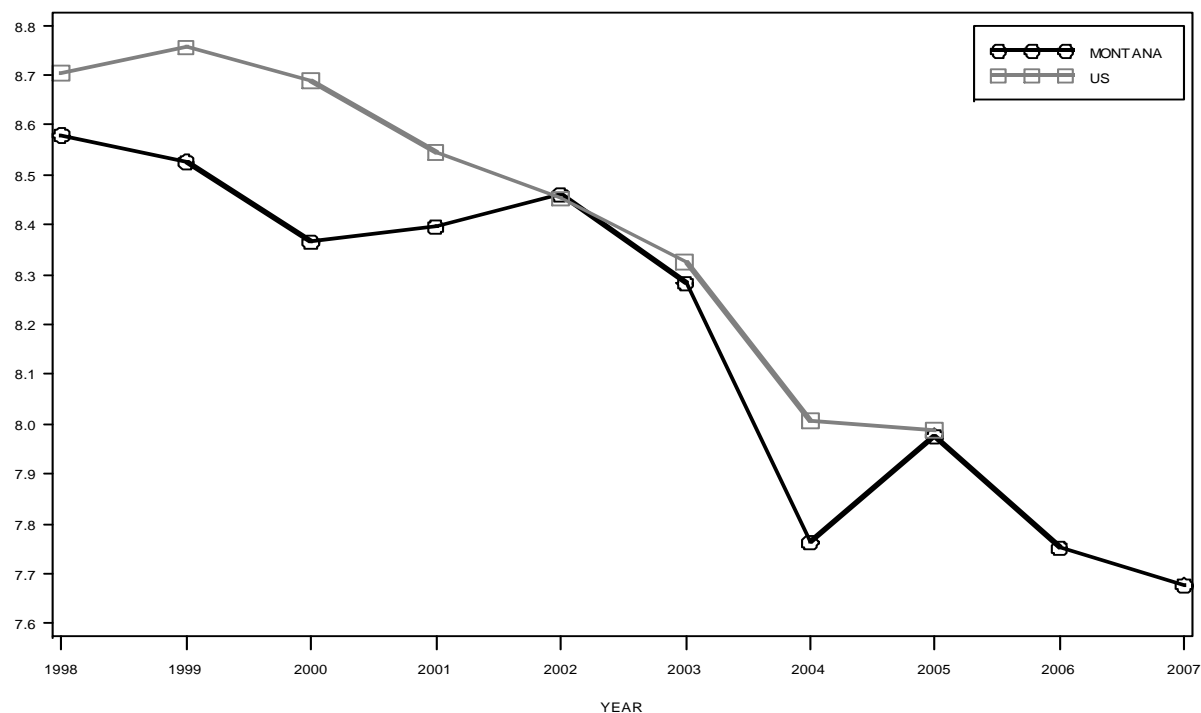
RESIDENT CRUDE DEATH RATES MONTANA AND THE UNITED STATES, 1972 – 2007



The rate of death is closely related to the age structure of the resident population. It is therefore useful to adjust this rate for differences in the age distributions of populations when comparing death rates between those populations. (See the definition of “age adjusted death rate” in the DEFINITIONS section of this report for a description of the mathematics of age adjustment and also see the section on AGE-SPECIFIC AND AGE - ADJUSTED DEATH RATES below for discussion of their proper use.) While the crude death rate represents the absolute risk of death in a single population at a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in different geographic areas at a single time or in the same geographic area at different times.

Figure 9

**AGE-ADJUSTED DEATH RATES*
MONTANA AND UNITED STATES RESIDENTS, 1998-2007**



* Adjusted with the direct method to the projected 2000 U.S. population.

Figure 9 shows the age-adjusted death rates for Montana and U.S. citizens for the last 10 years. It is notable that while Montana's crude death rate (reflecting the absolute risk of death among the resident population) has been generally increasing, the age-adjusted rate (which reflects relative risk by adjusting for the age of the population and the age of its decedents) has been generally declining over the ten years profiled. It is also notable that the age-adjusted rate for Montana was lower than the U.S. rate for all but one of the years profiled, averaging about 97.6% of the national rate.

Whites typically died at an older age than Native Americans. The age at death for whites was several years greater than that for Native Americans at every quartile (25th percentile, median, and 75th percentile). Particularly striking was the fact that one quarter of the white decedents died at or below the age of 67, while one quarter of the Native American decedents died at or below the age of 42 years.

There was greater variability in the age at death for the Native American population than for the white population. The standard deviation, which measures the distribution around the mean, was greater for the Native Americans (23.1) compared to whites (17.8); thus, a larger proportion of Native Americans died at younger-than-average or older-than-average ages than did whites.

In general, female decedents were older than male decedents; the mean and median ages at death were greater for women than for men, regardless of race. For white women, the median age was 82 years, compared to 76 years for white men. The median age for Native American women was 64 years, compared to 57 years for Native American men. **Figure 10** summarizes the distribution of age at death for Montana residents by sex and race for the ten-year period, 1998 to 2007.

Figure 10

**AGE AT DEATH IN YEARS BY SEX AND RACE
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1998–2007**

RACE AND SEX	NUMBER OF DEATHS	MINIMUM AGE	25 TH PERCENTILE	MEDIAN AGE	75 TH PERCENTILE	MAXIMUM AGE	MEAN AGE	STANDARD DEVIATION
ALL RACES								
TOTAL	82,892	0	65	78	86	112	73.3	18.6
MALE	42,137	0	61	75	84	107	70.0	19.0
FEMALE	40,754	0	70	81	88	112	76.8	17.4
UNKNOWN	1	0	0	0	0	0	0.0	-
WHITE								
TOTAL	78,081	0	67	79	87	112	74.3	17.8
MALE	39,451	0	62	76	84	107	71.0	18.3
FEMALE	38,629	0	71	82	89	112	77.7	16.6
UNKNOWN	1	0	0	0	0	0	0.0	-
NATIVE AMERICAN								
TOTAL	4,095	0	42	60	74	111	56.4	23.1
MALE	2,286	0	38	57	71	100	53.5	22.9
FEMALE	1,809	0	47	64	78	111	60.1	22.8
OTHER RACES								
TOTAL	716	0	48	67	80	101	61.2	24.1
MALE	400	0	43	61	76	101	57.6	23.8
FEMALE	316	0	55	72	82	101	65.7	23.9

*The *mean* is the arithmetic average, the *median* is the midpoint. To illustrate, one quarter of the decedents died at or under the age at the *25th percentile*; half at or under the age at the *median* (or *50th percentile*) etc. The *standard deviation* measures the concentration of the distribution around its mean.

FETAL, INFANT, AND MATERNAL DEATHS

Table S-1 of the Vital Statistics reference tables shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1949 and yearly from 1950 through 2007 for deaths of Montana residents (regardless of place of occurrence).

Figure 11

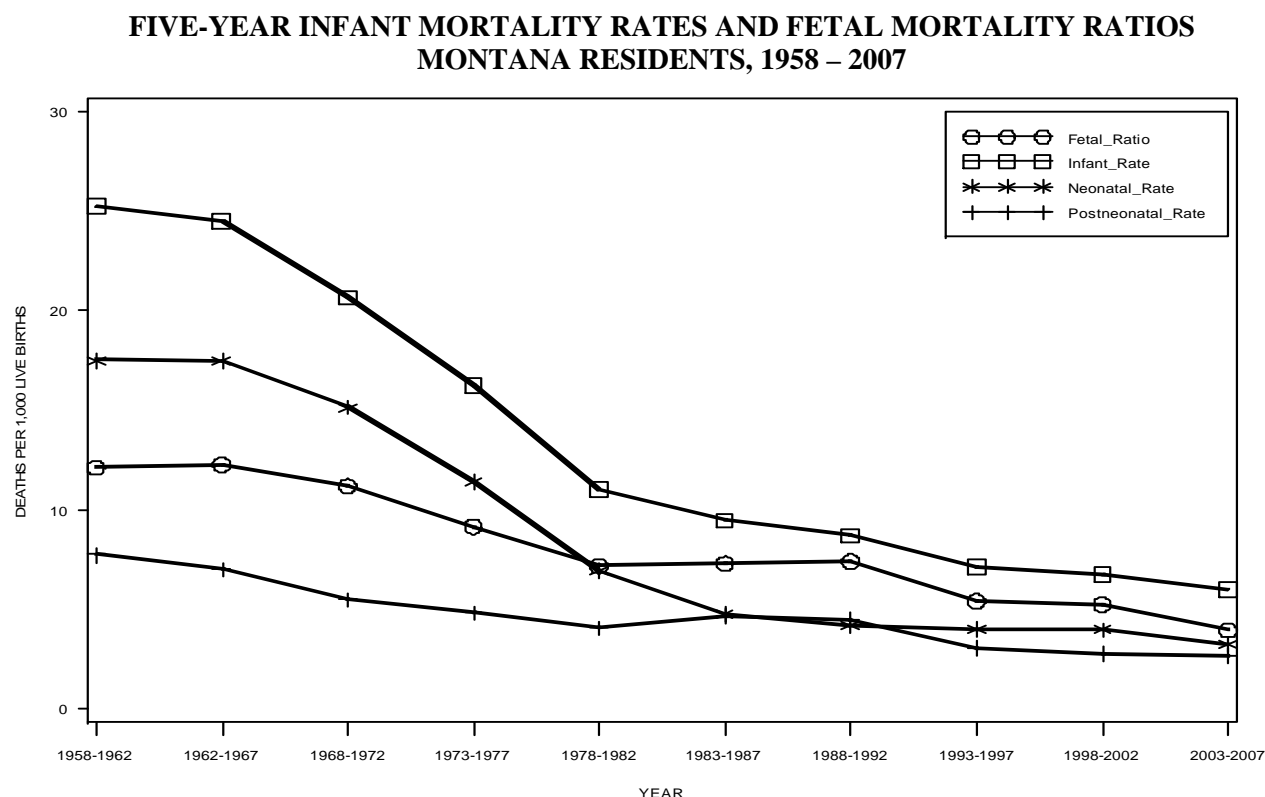


Figure 11 shows the five-year infant and fetal mortality rates for Montana residents from 1958 to 2007. There was a substantial decline in the five-year infant death rate during this period. This rate, the number of infant deaths per 1,000 live births in a five-year period, decreased by about three-quarters in the period shown. The five-year death rate for infants dying in the neonatal period, the first 27 days of life, decreased by more than half during this period. The rate for post-neonatal infants (infants 28 days and older) declined by about one-third. The five-year fetal mortality ratio also declined by a little more than two-fifths.

There were 38 resident fetal deaths and 76 resident infant deaths in Montana in 2007. Frequencies of infant and fetal deaths by Montana county of occurrence and residence appear in **Table S-2**. **Table S-3** shows the frequency of fetal deaths by the mother's race and county of residence. The number of infant deaths and five-year infant mortality rates by Montana County of residence appear in **Table D-8**.

Selected causes of death by age and sex for Montana resident infants are shown in **Table D-1** and in **Table D-7**. (For a complete listing of all 358 potential causes that could appear in **Table D-1**, see the list at <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf>. For a complete list of the 130 potential causes of infant death that could appear in **Table D-7**, see the list at <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/130causesinfantdeath.pdf>.) Sudden infant death syndrome (SIDS), certain conditions originating in the perinatal period, and congenital malformations, deformations, and chromosomal anomalies caused about two-thirds of all infant deaths in 2007.

Table F-1 shows the frequency of fetal deaths (called stillbirths in some states) by the race, sex, and gestational age of the fetus, and selected cause of death. (See the list of 124 causes of fetal death web file, shown at <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/124causesfetaldeath.pdf>, for a complete list of causes that could potentially appear in **Table F-1**.) **Table S-4** shows the frequency of fetal, infant, and child deaths by county of residence.

AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES

Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race that will likely affect the risk of mortality. Crude cause-specific rates express the frequency of mortality from a certain underlying cause of death as a proportion of the resident population. They express the risk (average chance) of dying from the specific cause of death cited. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, their use for comparisons between populations--the Montana resident population in different years, for instance--is limited. (Because the resident populations of Montana in different years had different age compositions and contained different individuals, they can be considered different populations.)

In the past, the resident population of Montana (and of the nation) was considerably younger than it is now; younger residents represented a smaller percentage of the population in the early years of the 21st Century than they did only a decade before. In such cases, age-adjustment is helpful for a more meaningful comparison of mortality rates.

Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the overall age of the population may differ), but not for making comparisons within any single population. They are designed to “adjust” for differences in the age compositions of resident populations in different years by applying observed (i.e. actual) age-specific mortality rates to a hypothetical population with an unchanging age composition. By standardizing in this way, age-adjusted death rates help address issues such as whether an increasing or decreasing death rate is due merely to an aging population or whether some other factors are involved.

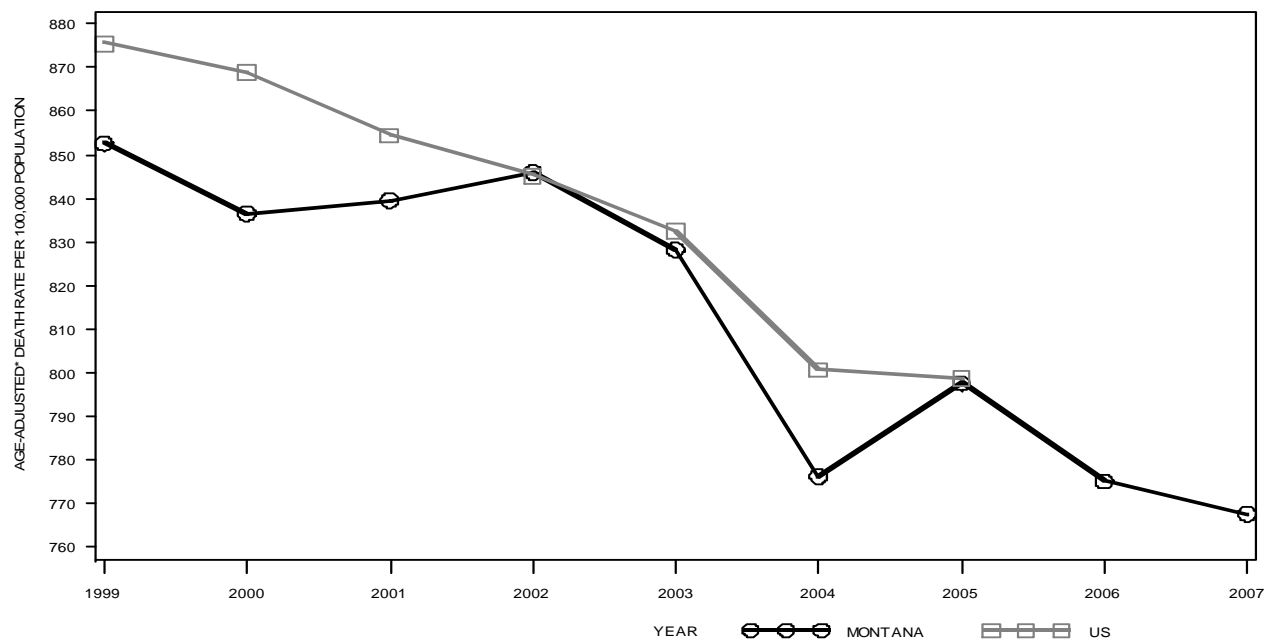
For instance, one can compare the Montana age-adjusted death rates for heart disease in different years in order to identify any trends in mortality. It is inadvisable, however, to compare the age-adjusted rate for heart disease to that for cancer within any given year, or from one year to another. While it is tempting to be concerned with the numerical value of the age-adjusted rate, this is also inadvisable because of the sensitivity of the quantitative value to the choice of a standard population.

Figures 12 through 41 display age-adjusted and age specific death rates for several of the leading causes of death in Montana and the United States. (For a complete list of the causes that, according to a standard tabulation list of NCHS, could be considered one of the 113 leading causes of death, see the list at <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/113causes.pdf>.) The age-adjusted rates are adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of the population. Hence, Montana’s age-specific death rates are also shown for each cause of death displayed.

Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, and suicide) may be statistically unstable or present somewhat confusing patterns. However, for several causes of death, such rates present a clear pattern and add useful information about the burden of particular causes of death among the age groups. Age-specific rates for all causes of death are represented here so the reader can judge their usefulness for him or herself.

Figure 12

AGE-ADJUSTED DEATH RATES FOR ALL CAUSES
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 13

AGE-SPECIFIC DEATH RATES FOR ALL CAUSES
MONTANA RESIDENTS, 1999 - 2007

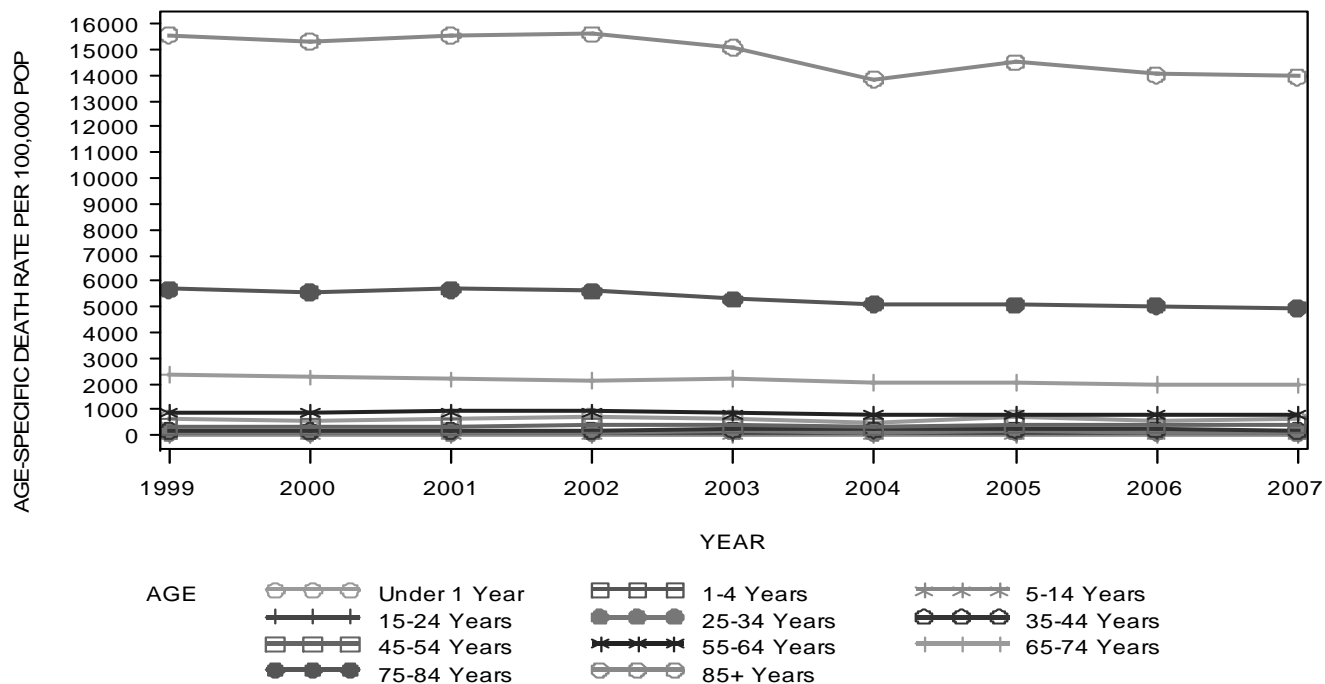
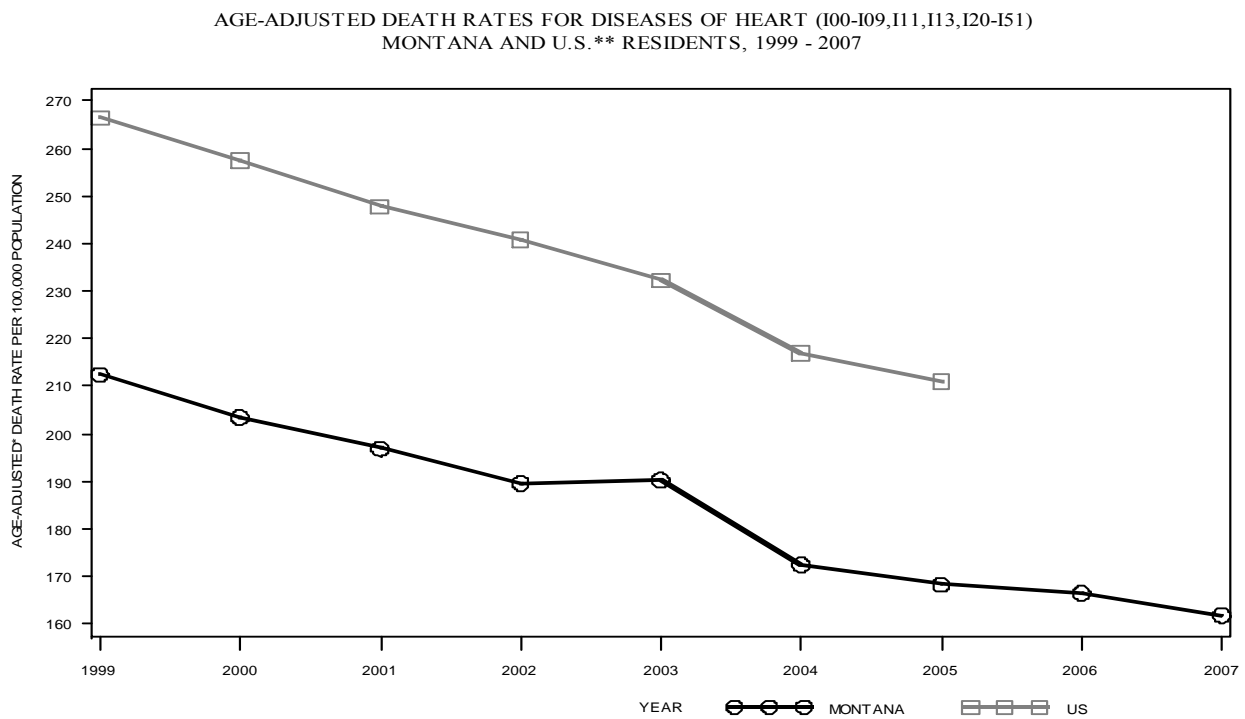


Figure 14



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 15

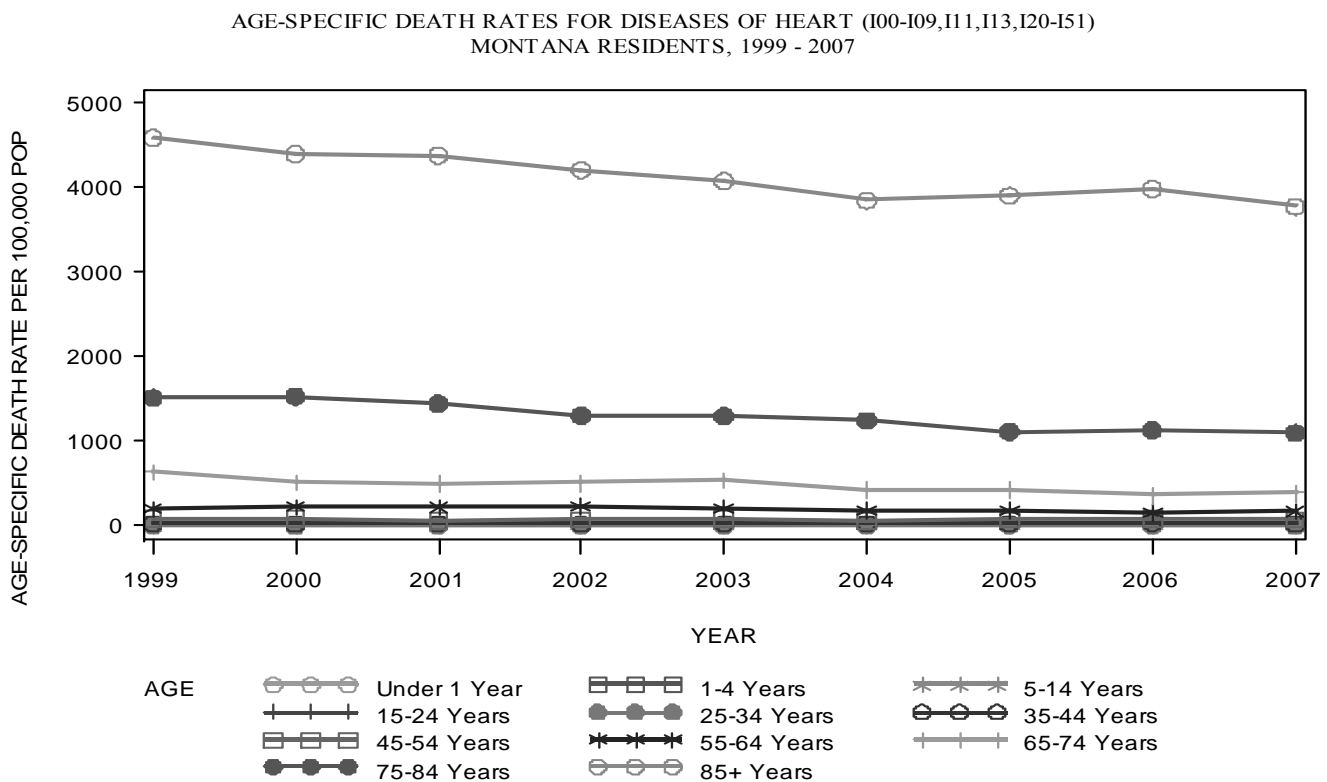
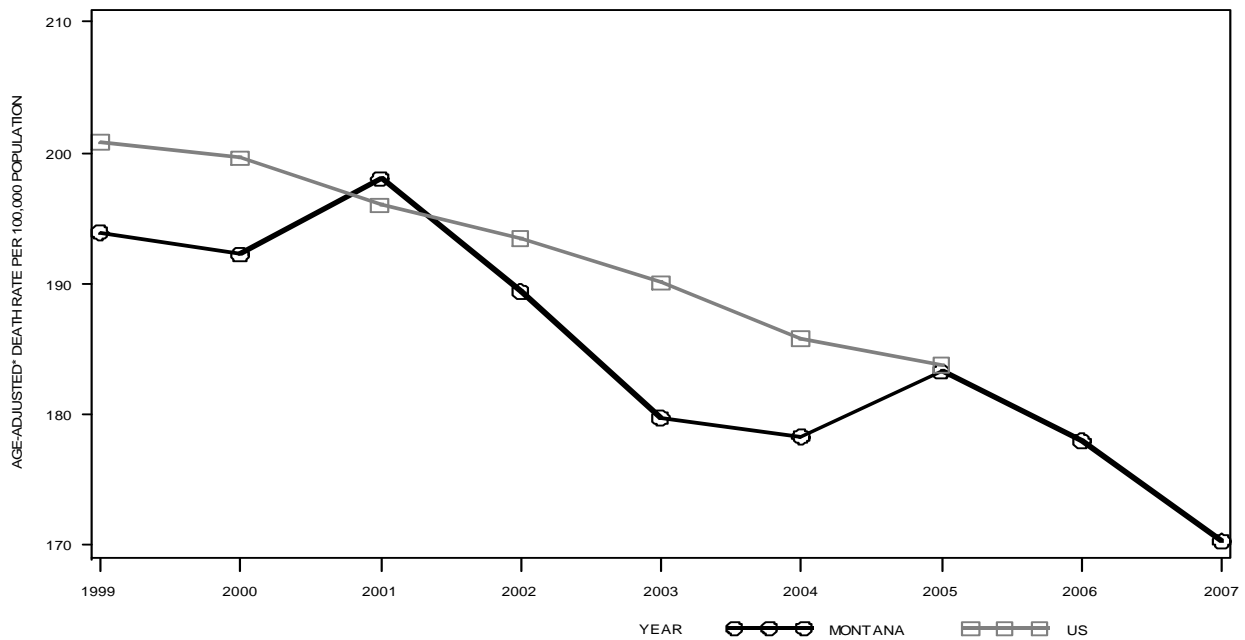


Figure 16

AGE-ADJUSTED DEATH RATES FOR MALIGNANT NEOPLASMS (C00-C97)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 17

AGE-SPECIFIC DEATH RATES FOR MALIGNANT NEOPLASMS (C00-C97)
MONTANA RESIDENTS, 1999 - 2007

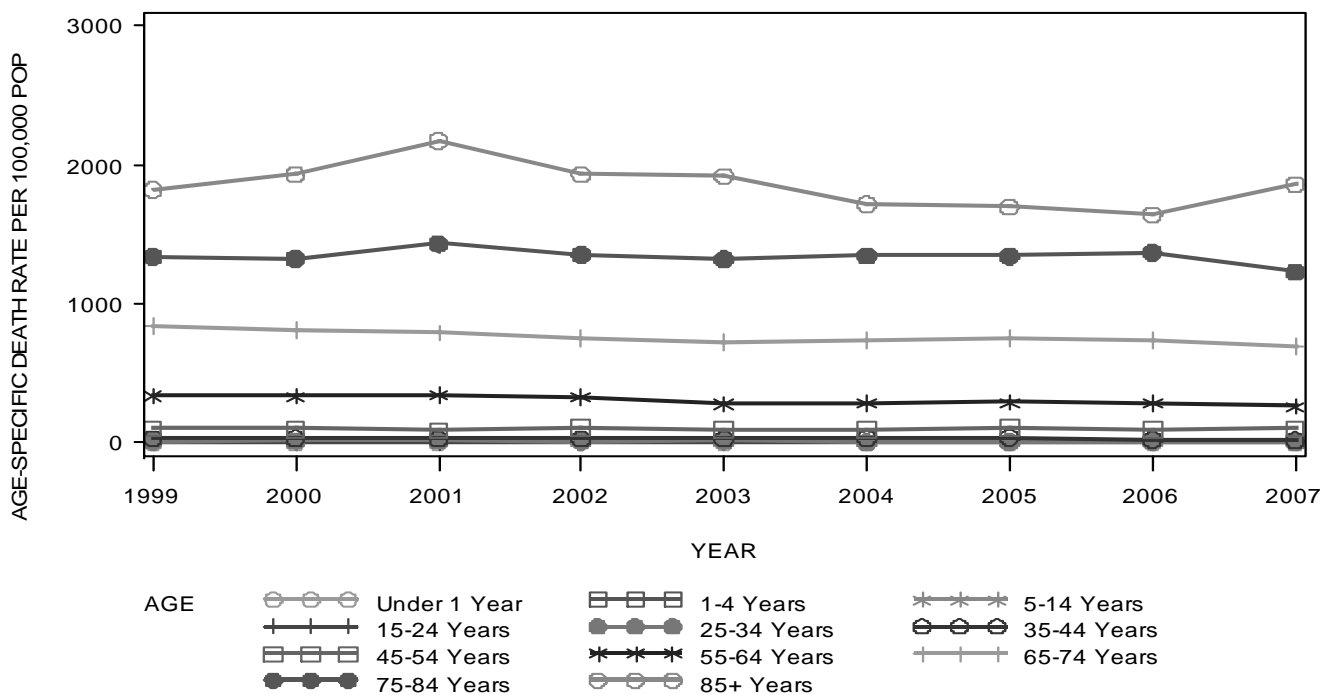
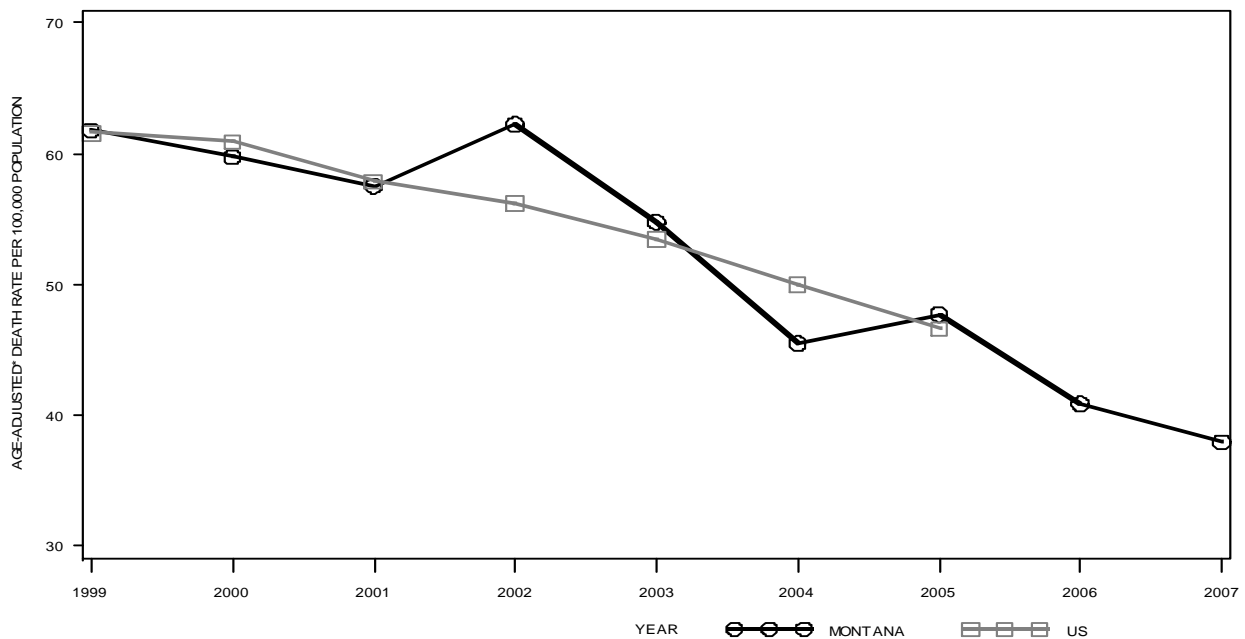


Figure 18

AGE-ADJUSTED DEATH RATES FOR CEREBROVASCULAR DISEASES (I60-I69)
MONTANA AND U.S. ** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 19

AGE-SPECIFIC DEATH RATES FOR CEREBROVASCULAR DISEASES (I60-I69)
MONTANA RESIDENTS, 1999 - 2007

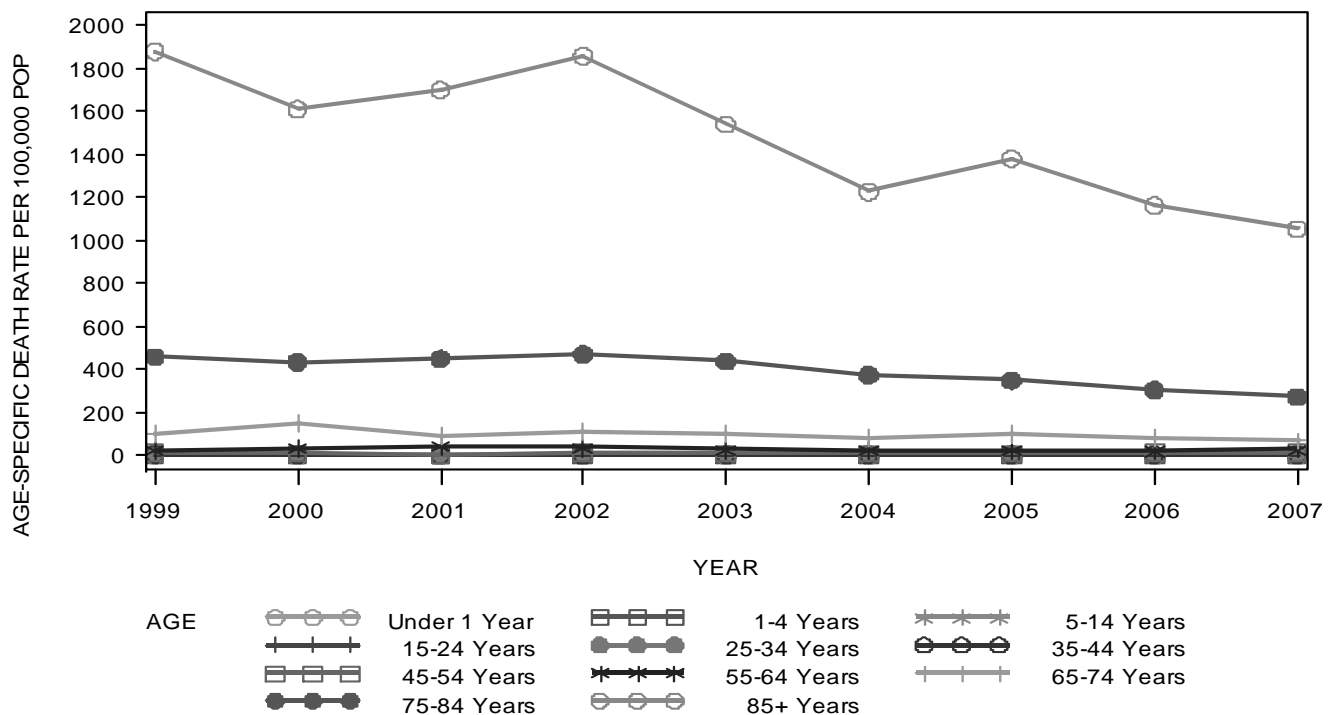
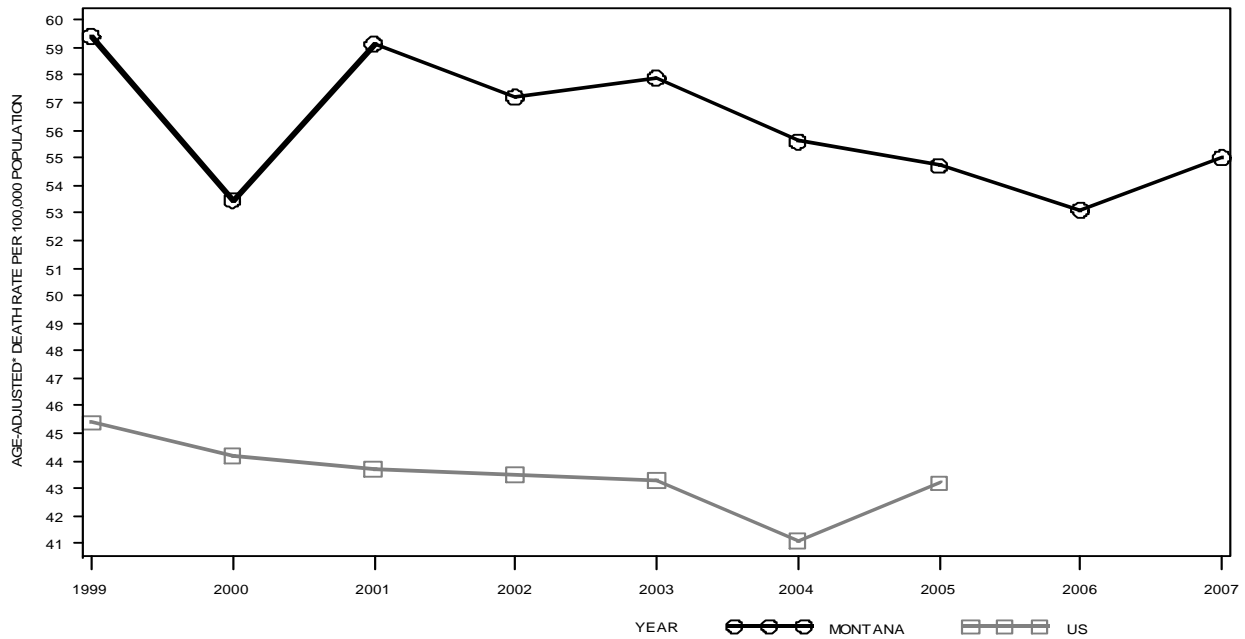


Figure 20

AGE-ADJUSTED DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES (J40-J47)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 21

AGE-SPECIFIC DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES (J40-J47)
MONTANA RESIDENTS, 1999 - 2007

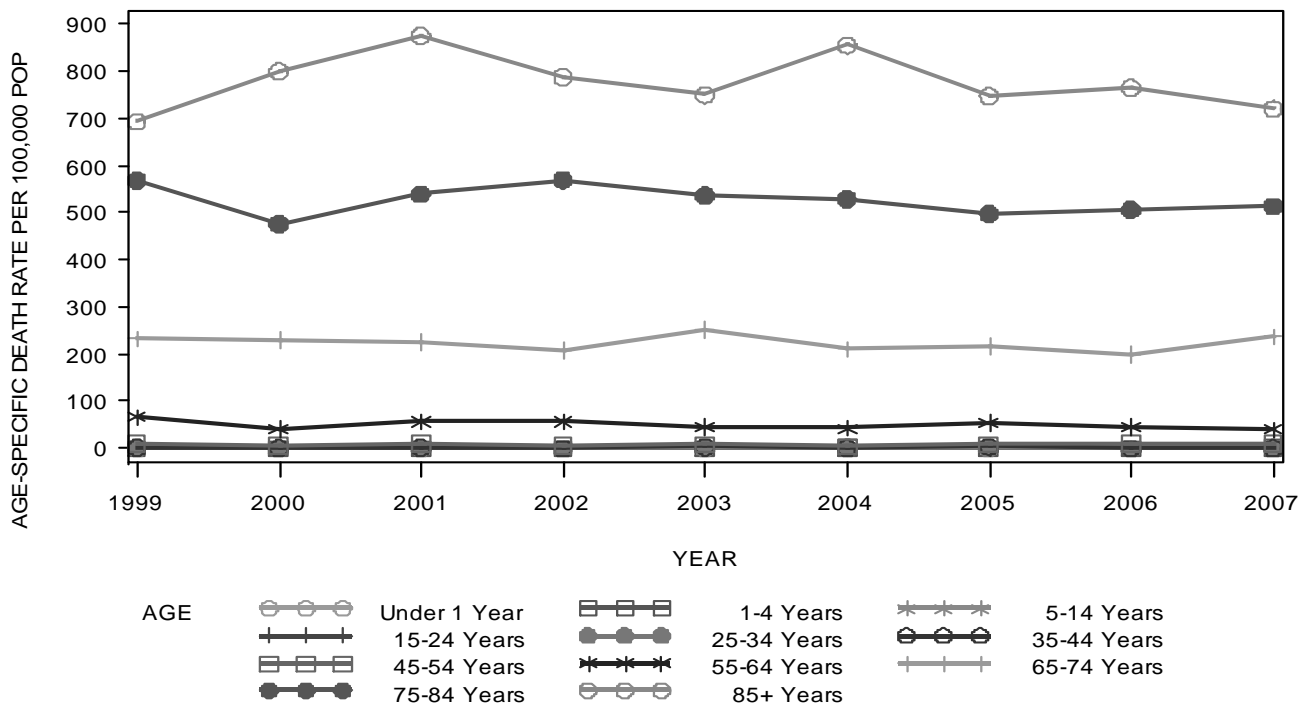
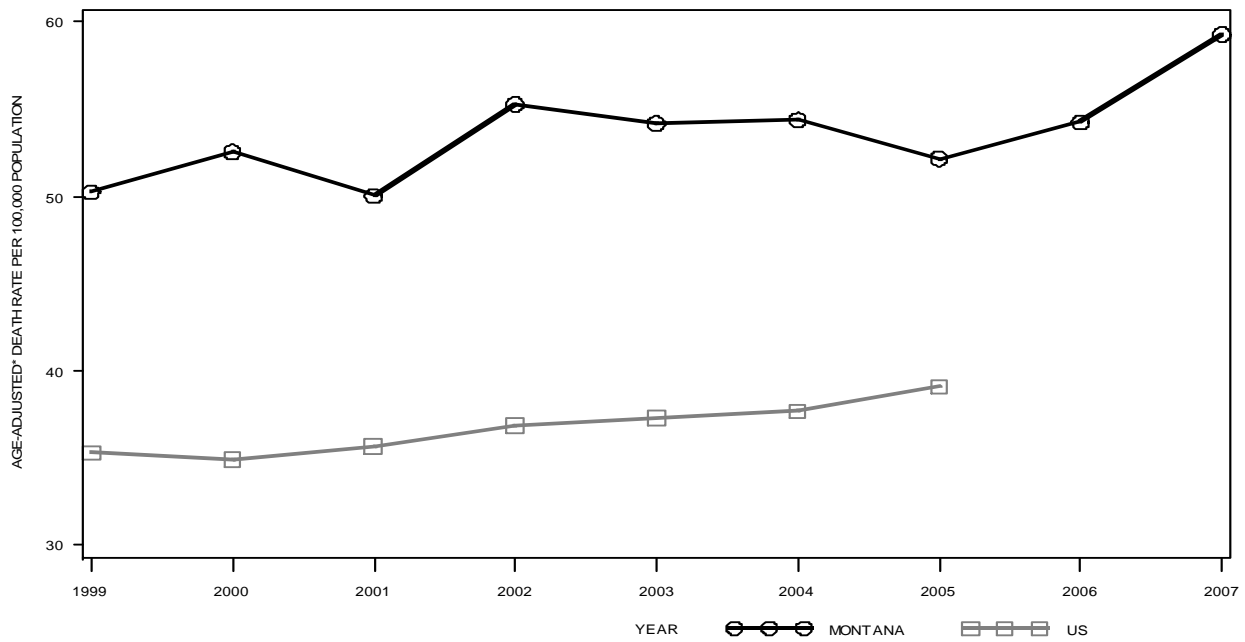


Figure 22

AGE-ADJUSTED DEATH RATES FOR ACCIDENTS (UNINTENTIONAL INJURIES) (V01-X59,Y85-Y86)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 23

AGE-SPECIFIC DEATH RATES FOR ACCIDENTS (UNINTENTIONAL INJURIES) (V01-X59,Y85-Y86)
MONTANA RESIDENTS, 1999 - 2007

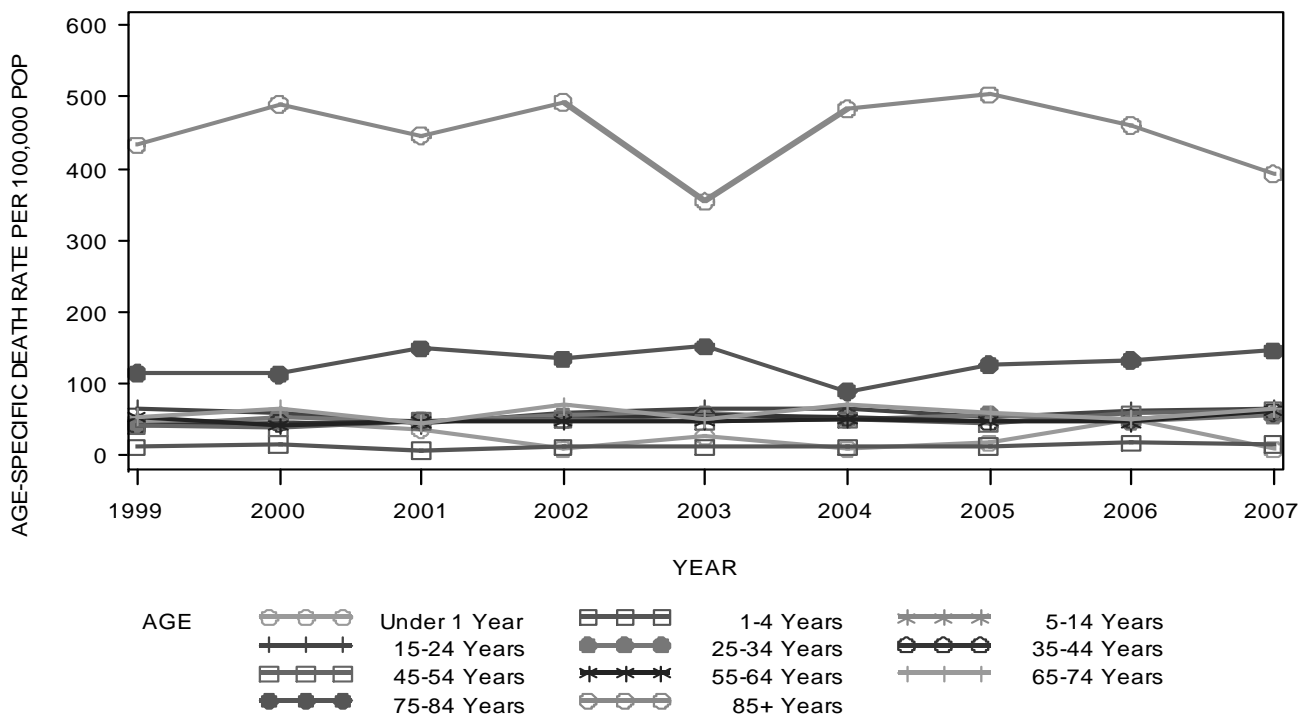
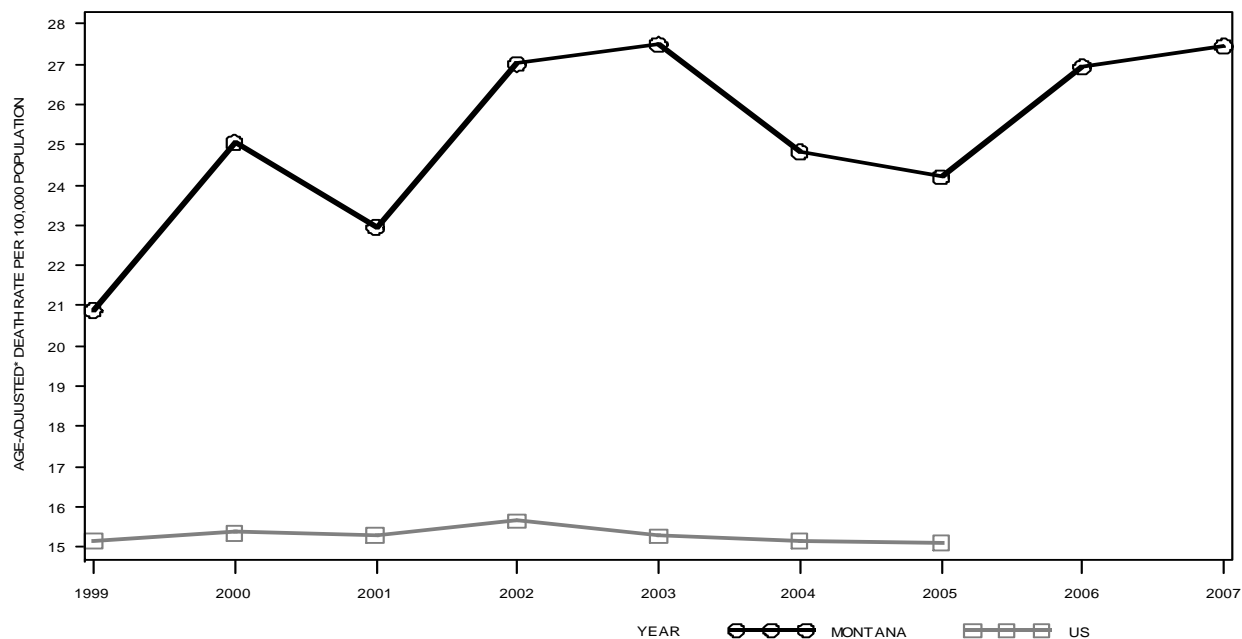


Figure 24

AGE-ADJUSTED DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 25

AGE-SPECIFIC DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
MONTANA RESIDENTS, 1999 - 2007

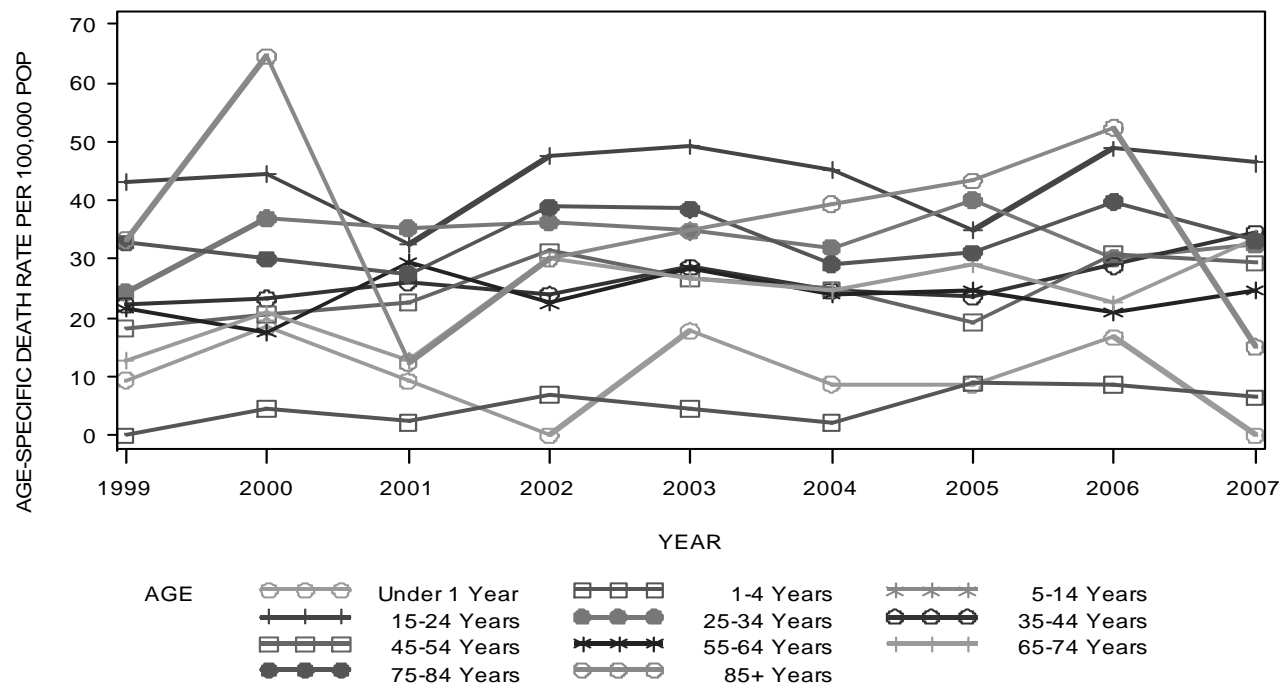
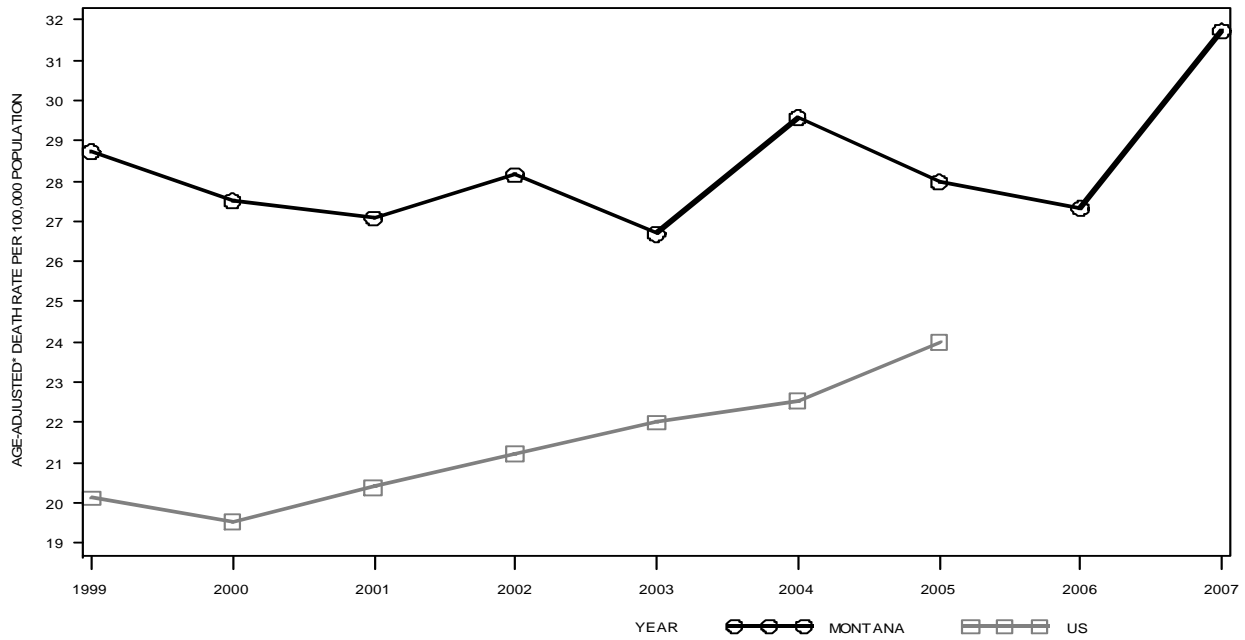


Figure 26

AGE-ADJUSTED DEATH RATES FOR NON-MOTOR VEHICLE ACCIDENTS
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 27

AGE-SPECIFIC DEATH RATES FOR NON-MOTOR VEHICLE ACCIDENTS
MONTANA RESIDENTS, 1999 - 2007

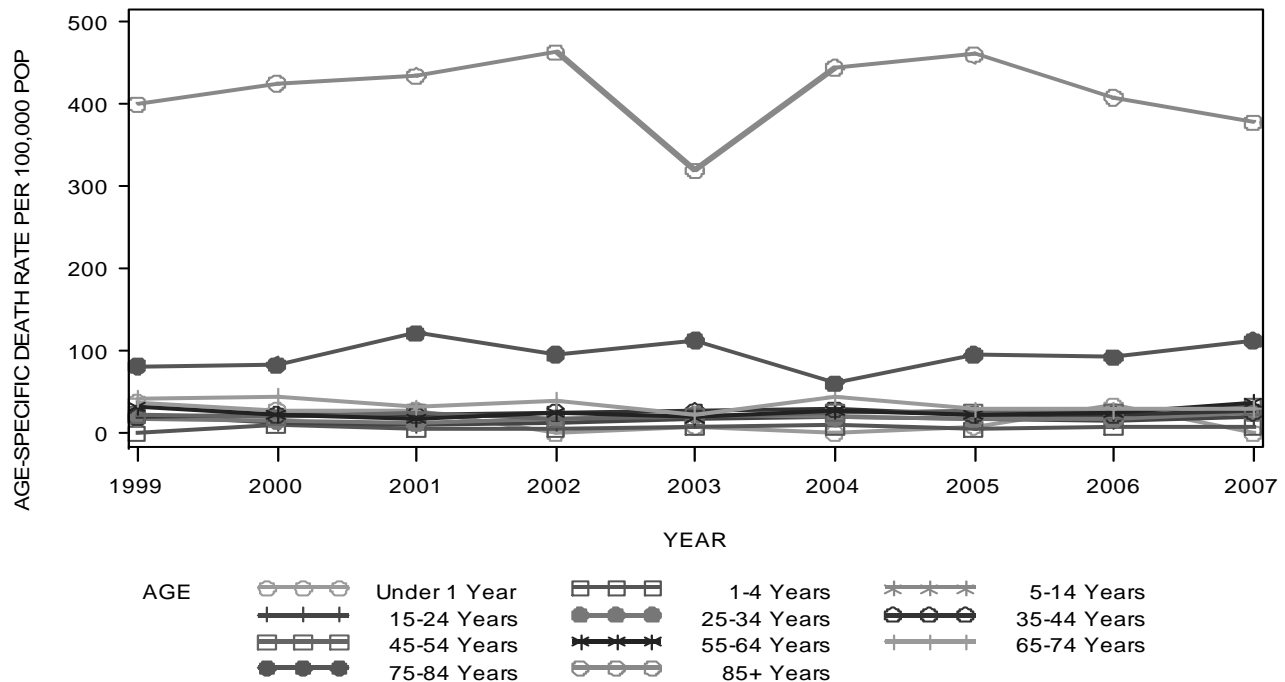
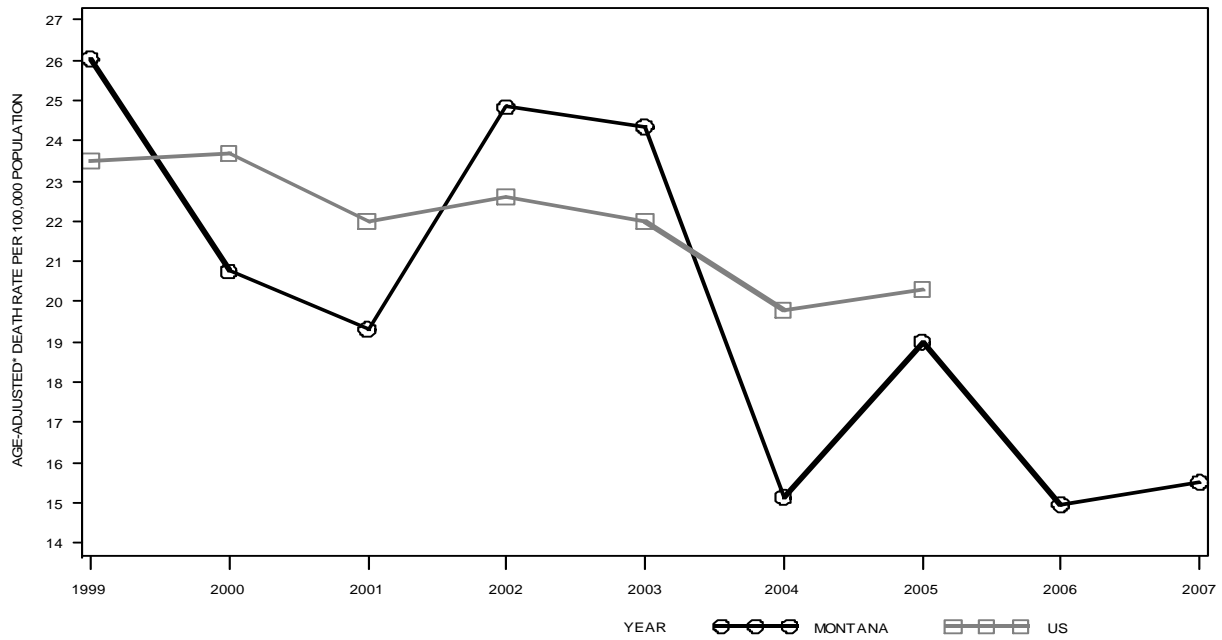


Figure 28

AGE-ADJUSTED DEATH RATES FOR INFLUENZA AND PNEUMONIA (J10-J18)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 29

AGE-SPECIFIC DEATH RATES FOR INFLUENZA AND PNEUMONIA (J10-J18)
MONTANA RESIDENTS, 1999 - 2007

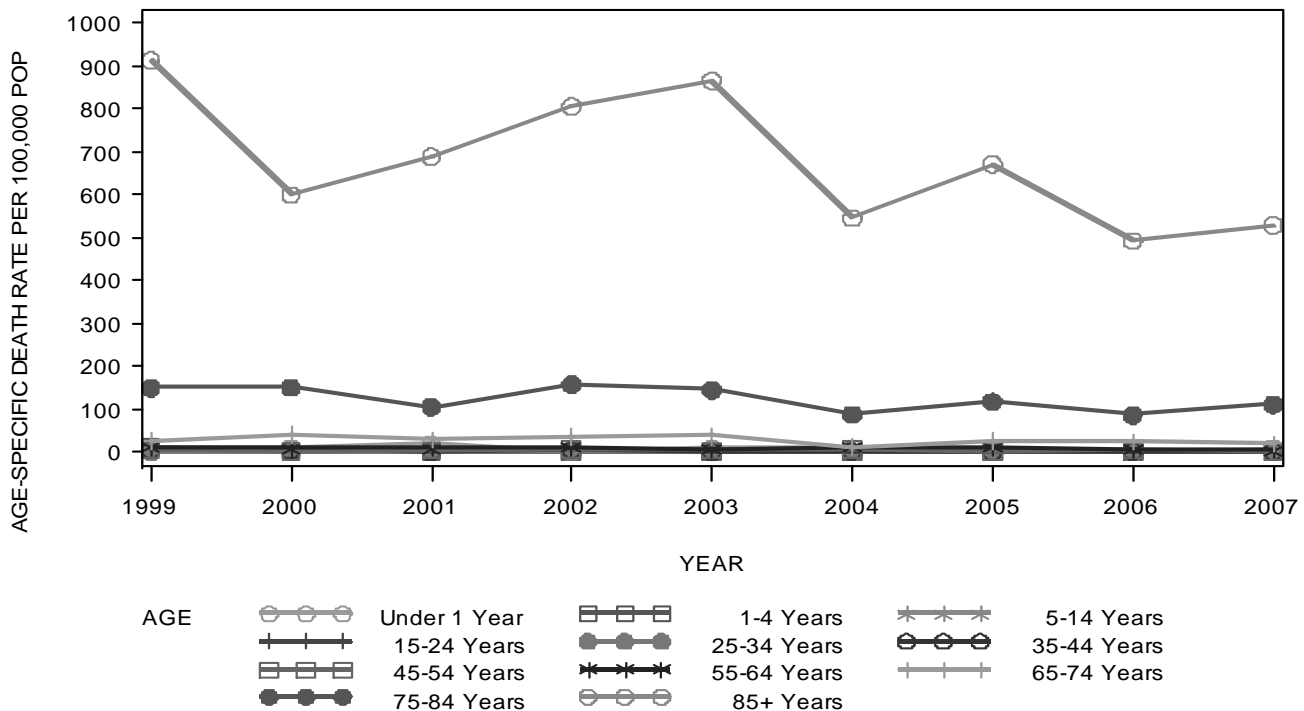
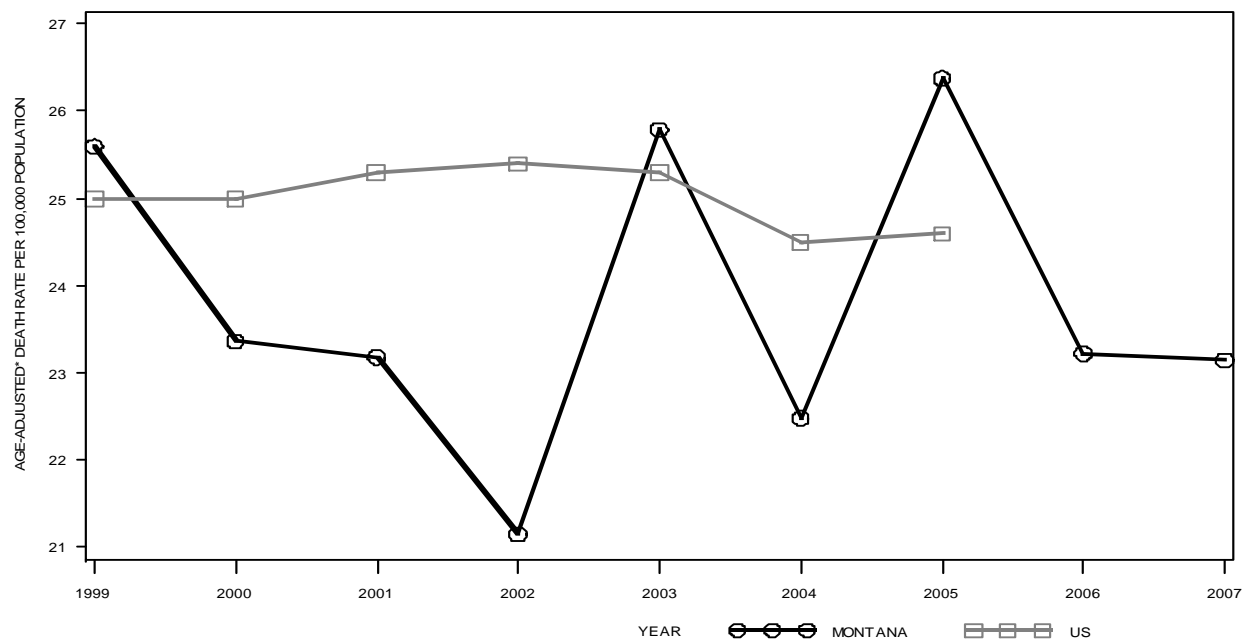


Figure 30

AGE-ADJUSTED DEATH RATES FOR DIABETES MELLITUS (E10-E14)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 31

AGE-SPECIFIC DEATH RATES FOR DIABETES MELLITUS (E10-E14)
MONTANA RESIDENTS, 1999 - 2007

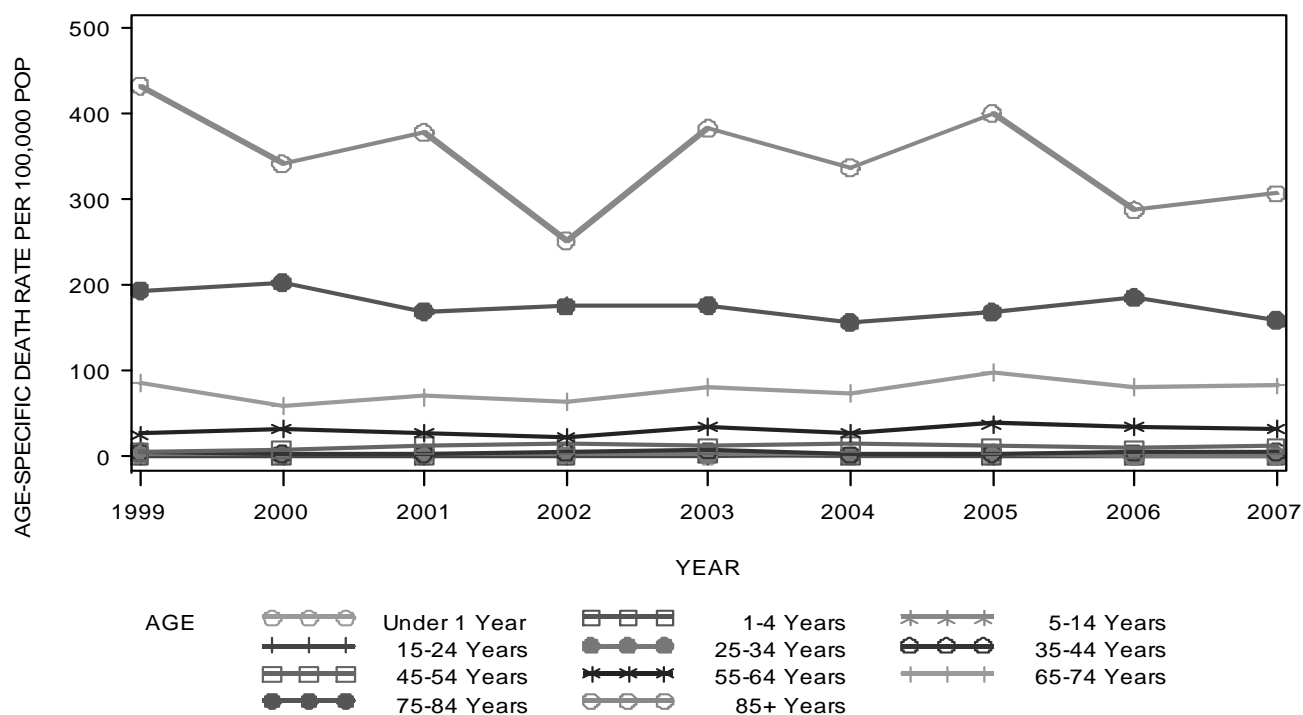
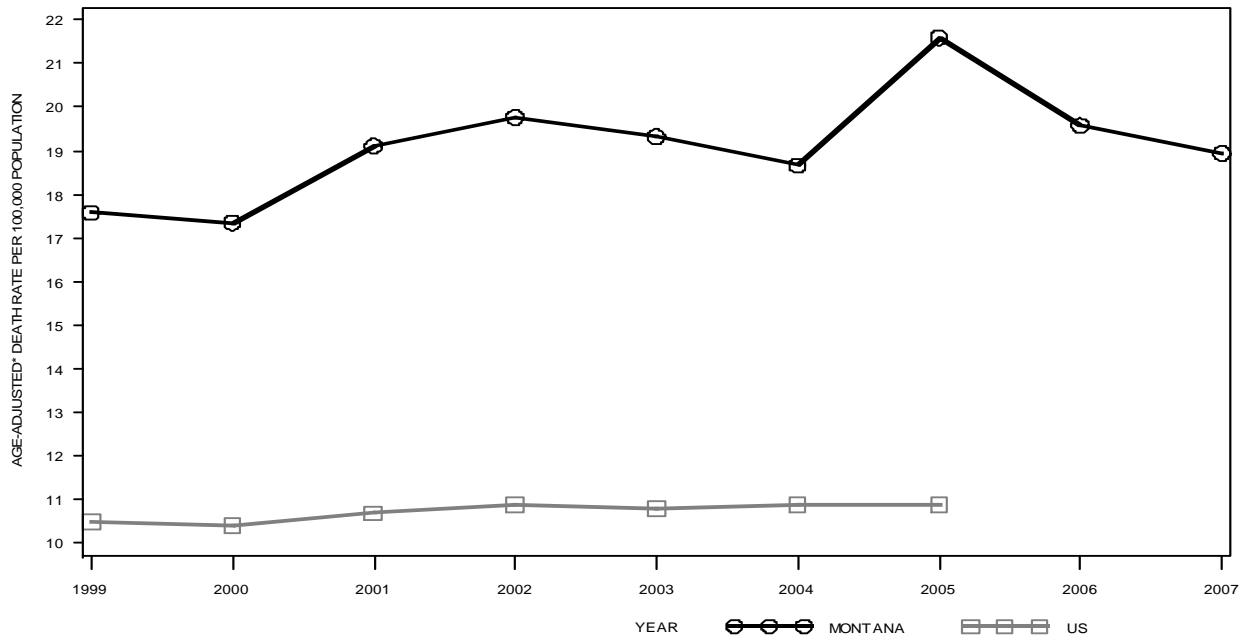


Figure 32

AGE-ADJUSTED DEATH RATES FOR INTENTIONAL SELF-HARM (SUICIDE) (*U03,X60-X84,Y87.0)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 33

AGE-SPECIFIC DEATH RATES FOR INTENTIONAL SELF-HARM (SUICIDE) (*U03,X60-X84,Y87.0)
MONTANA RESIDENTS, 1999 - 2007

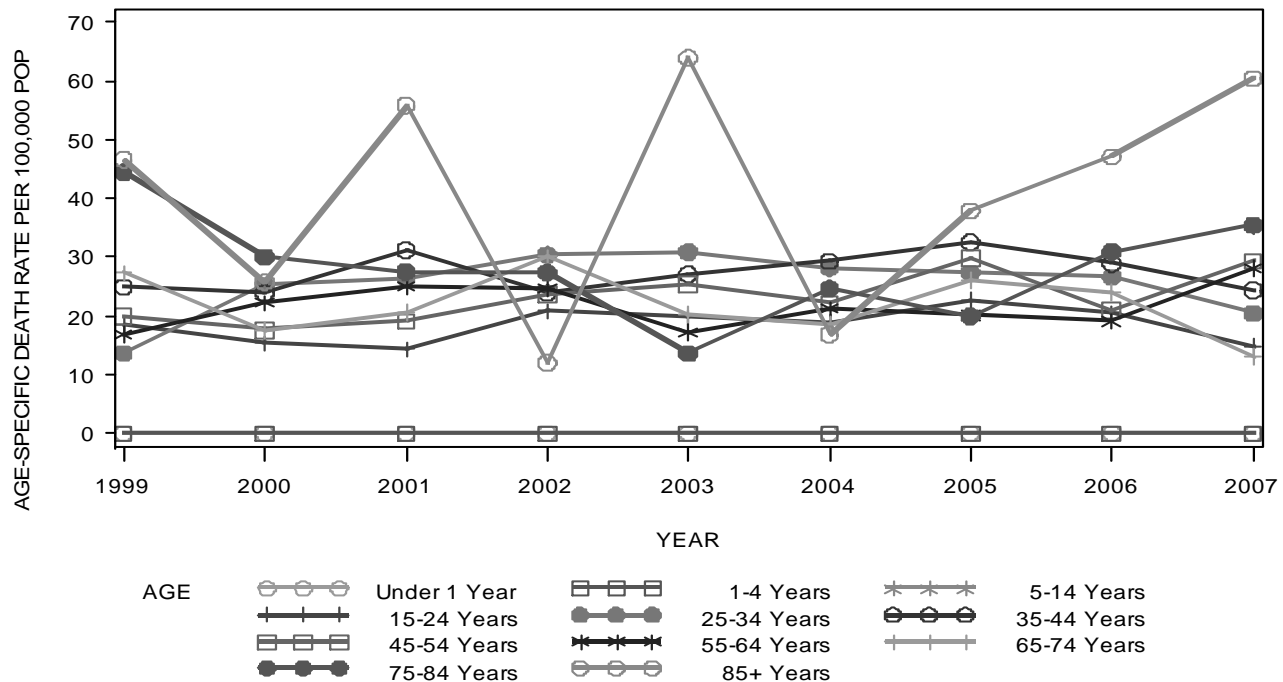
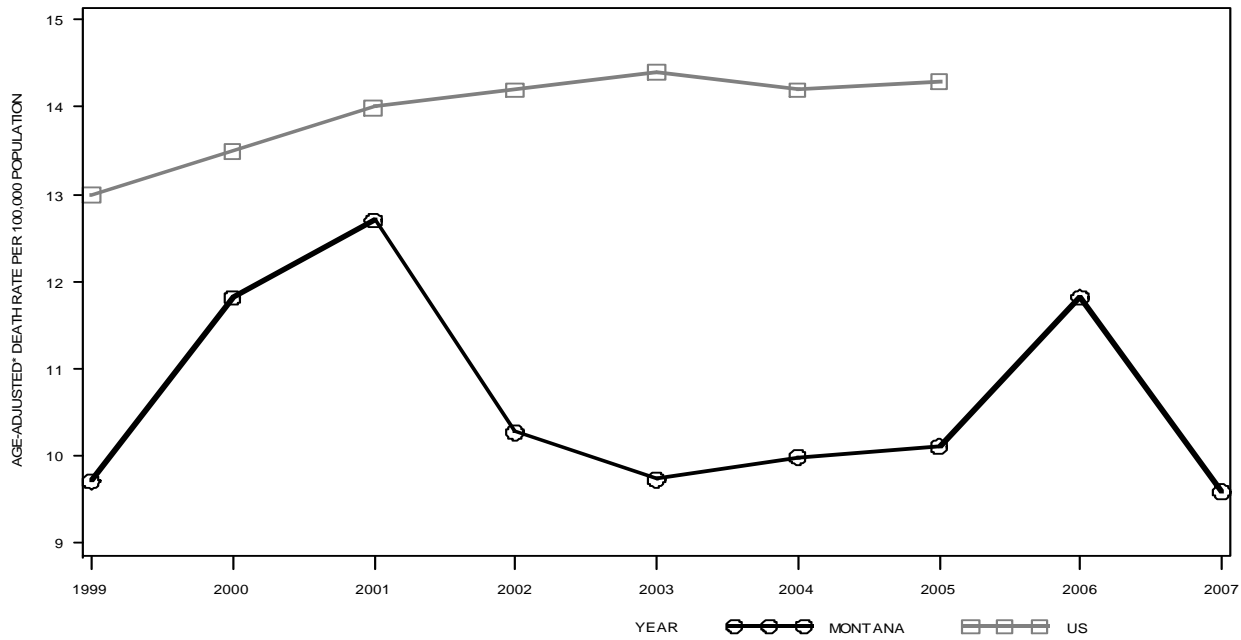


Figure 34

AGE-ADJUSTED DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (N00-N07,N17-N19,N25-N27)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 35

AGE-SPECIFIC DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (N00-N07,N17-N19,N25-N27)
MONTANA RESIDENTS, 1999 - 2007

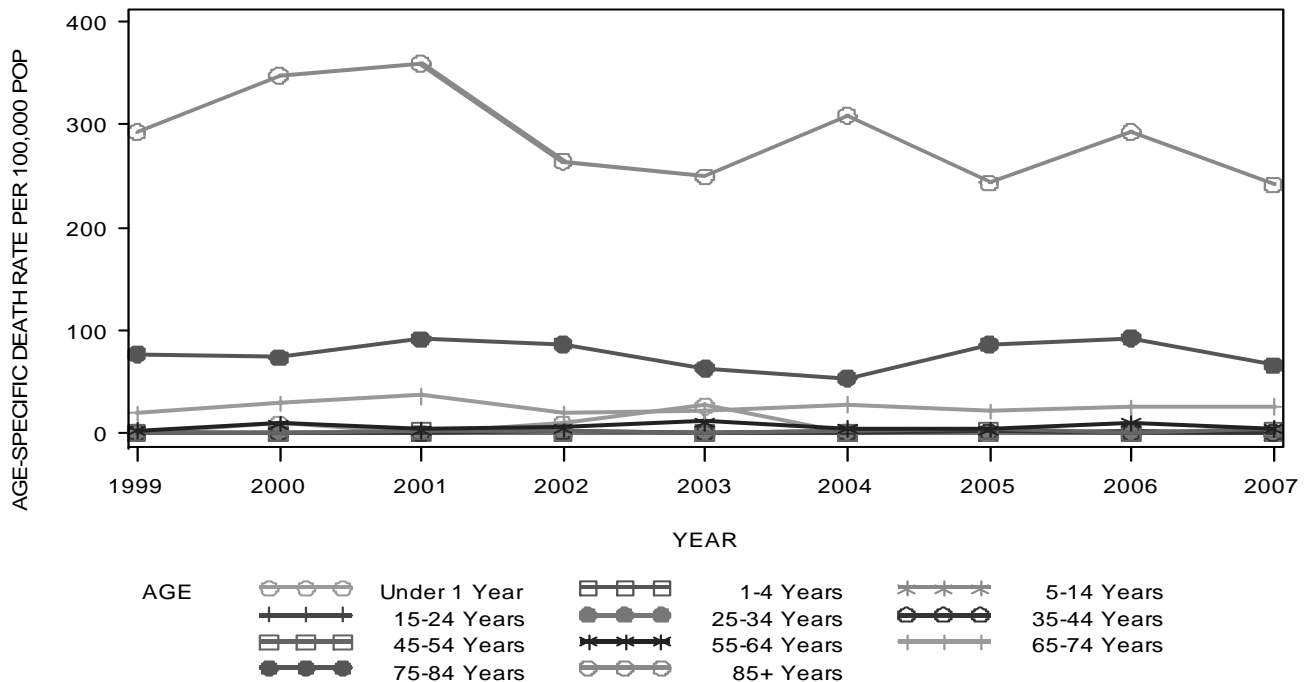
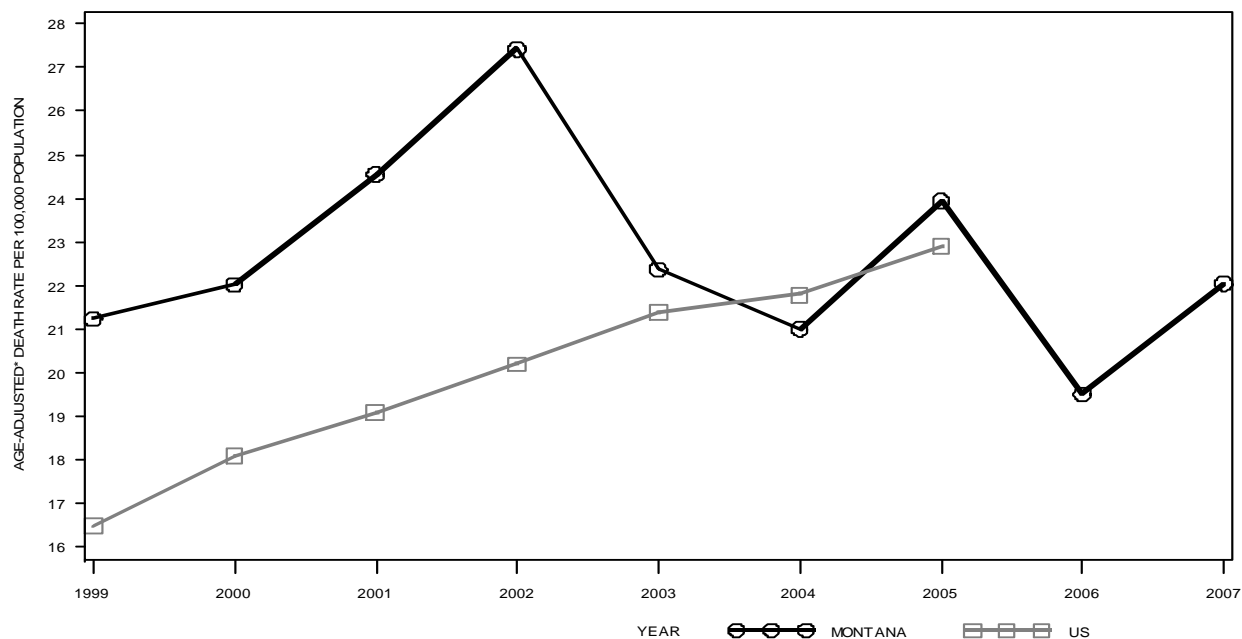


Figure 36

AGE-ADJUSTED DEATH RATES FOR ALZHEIMER'S DISEASE (G30)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 37

AGE-SPECIFIC DEATH RATES FOR ALZHEIMER'S DISEASE (G30)
MONTANA RESIDENTS, 1999 - 2007

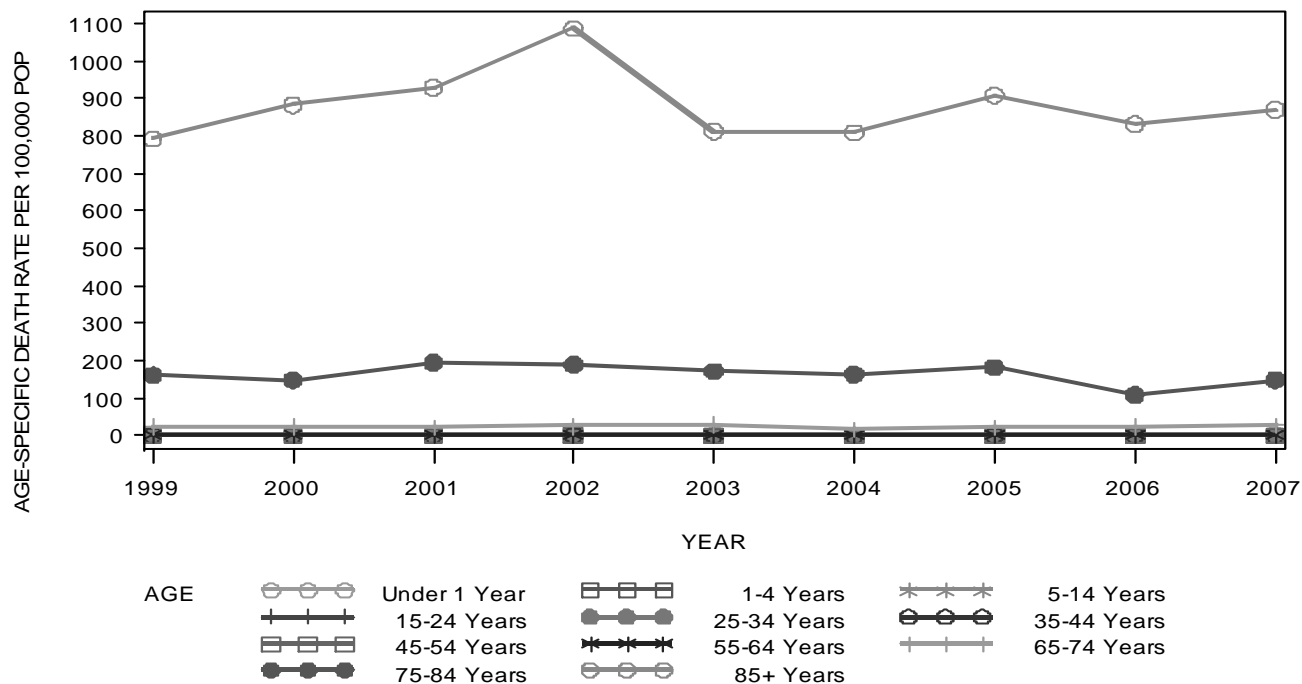
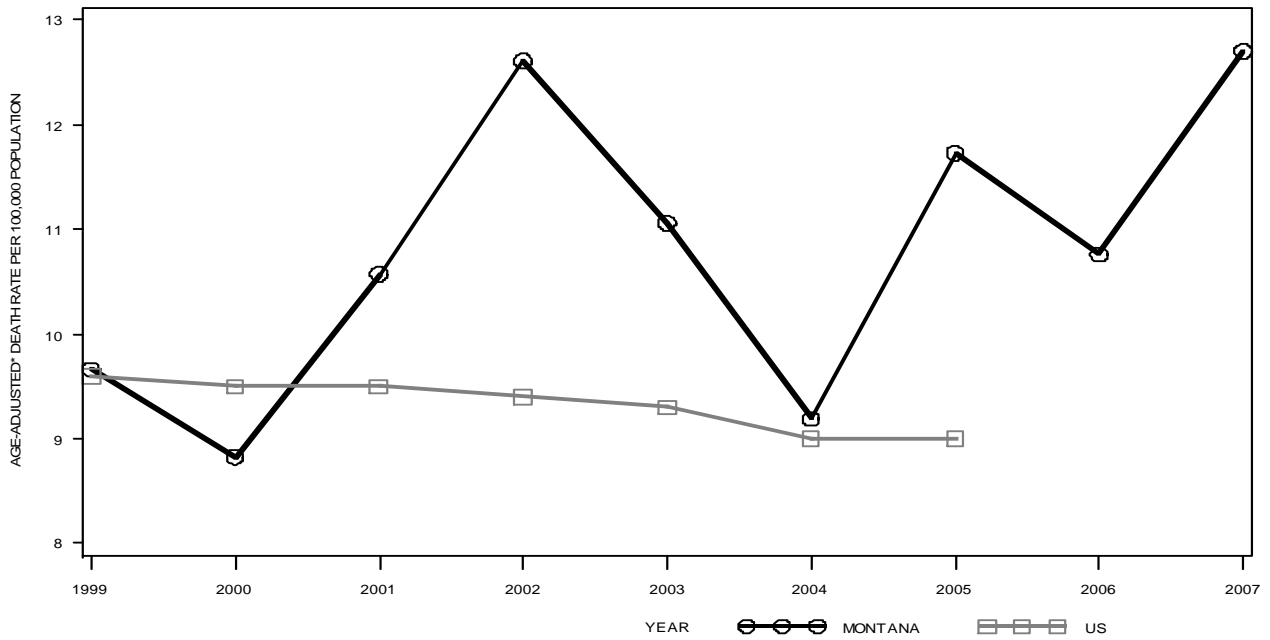


Figure 38

AGE-ADJUSTED DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS (K70,K73-K74)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 39

AGE-SPECIFIC DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS (K70,K73-K74)
MONTANA RESIDENTS, 1999 - 2007

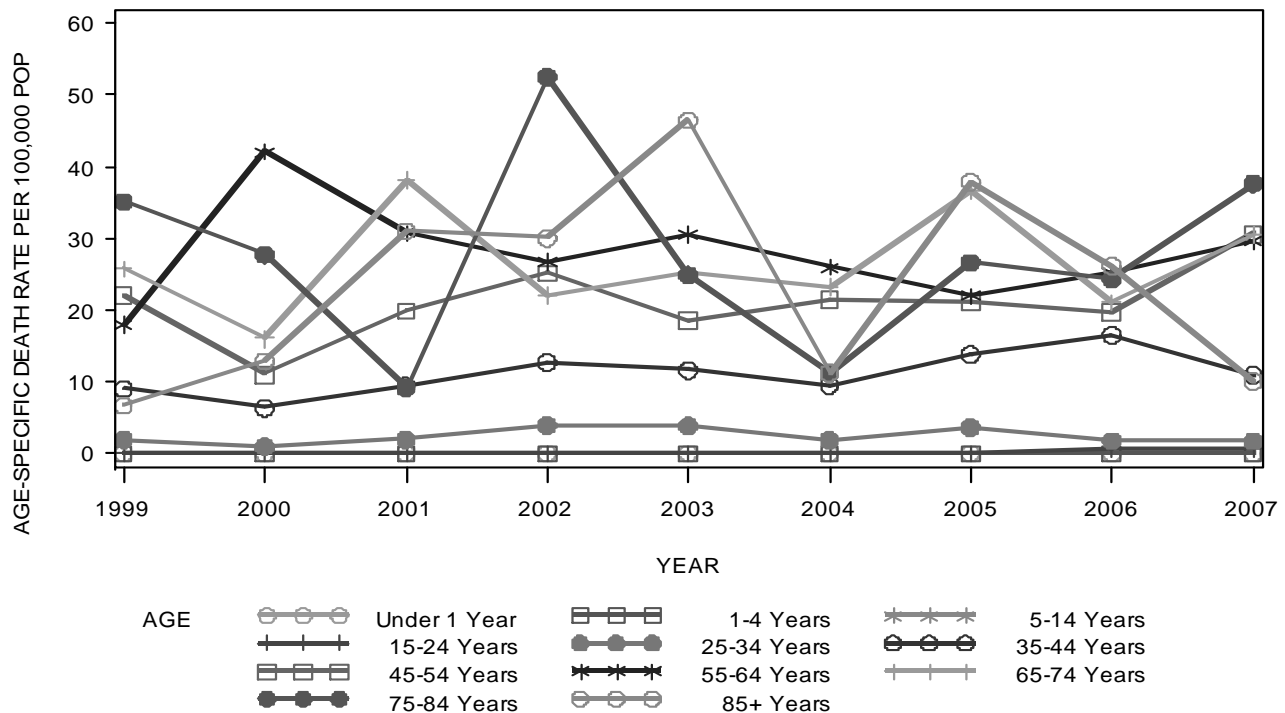
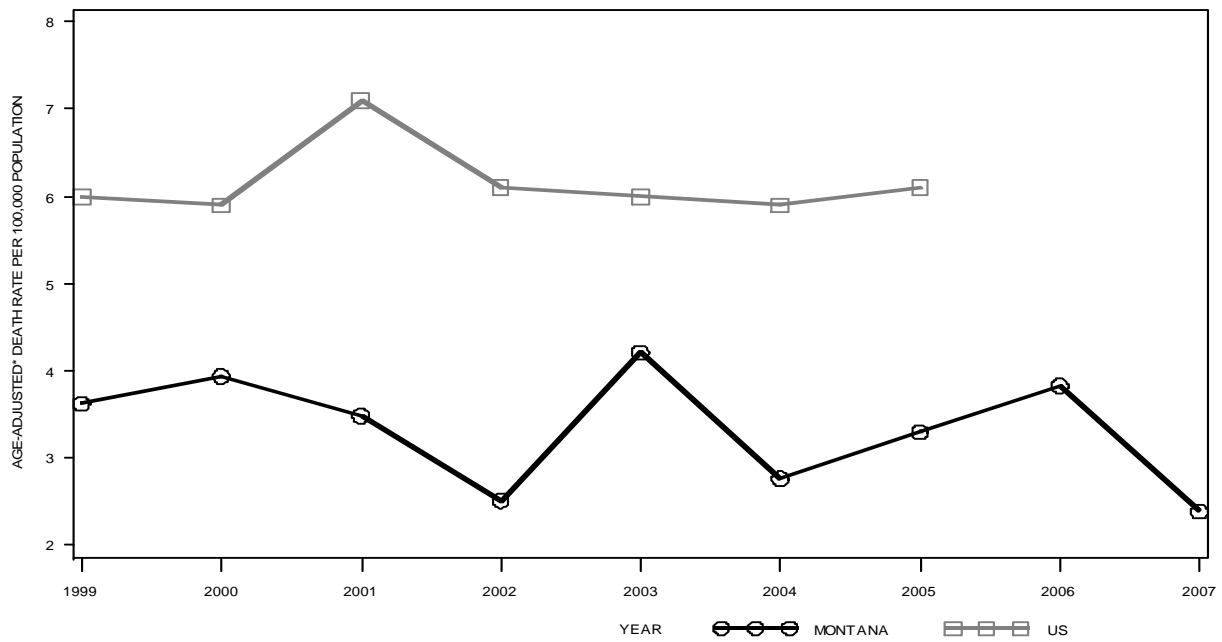


Figure 40

AGE-ADJUSTED DEATH RATES FOR ASSAULT (HOMICIDE) (*U01-*U02,X85-Y09,Y87.1)
MONTANA AND U.S.** RESIDENTS, 1999 - 2007

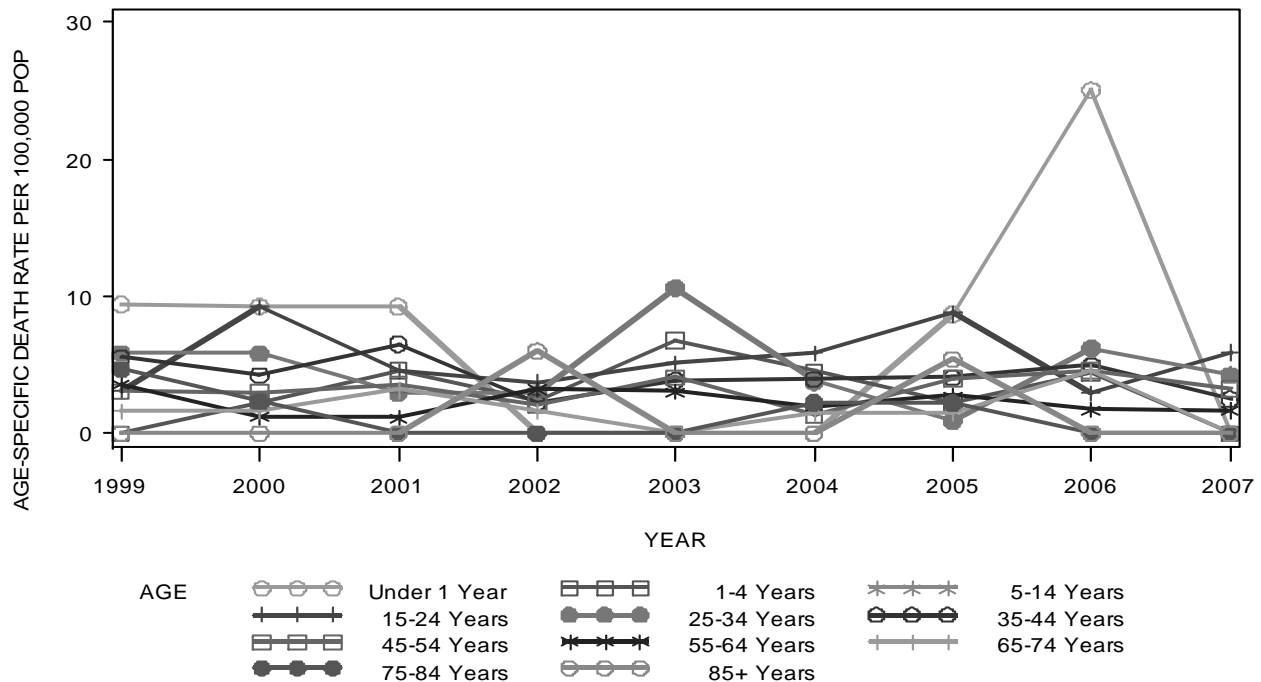


* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2006 and 2007 are not yet available.

Figure 41

AGE-SPECIFIC DEATH RATES FOR ASSAULT (HOMICIDE) (*U01-*U02,X85-Y09,Y87.1)
MONTANA RESIDENTS, 1999 - 2007



In all years displayed, Montana's overall (i.e. all-cause) age-adjusted death rates are below or about equal to those for the U.S. and both have declined over time. Montana's age-adjusted death rates are also below those for the U.S. for many of the chronic diseases displayed; Montana's rates for heart disease, cancer, and nephritis (nephritis, nephrotic syndrome, and nephrosis) were lower than those for the U.S. in six or seven of the seven years for which both Montana and U.S. values are displayed. Montana's rates for, chronic liver disease and cirrhosis were lower than U.S. rate in both the year 2000 but about the same or higher in all other years.

The state's rates for chronic lower respiratory disease (C.L.R.D.)--which includes chronic and unspecified bronchitis, emphysema, and asthma--were higher than those for the U.S. in all years in which rates for both Montana and the U.S. are displayed. Montana's death rate from Alzheimer's disease was higher than U.S. rates in six of the seven years in which both are displayed.

The patterns displayed for other chronic diseases were less conclusive. Montana's death rates for cerebrovascular disease, influenza and pneumonia, and diabetes showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in this period.

Montana's rates for one traumatic cause of death—homicide and legal intervention—were lower than the corresponding U.S. rates in all years displayed. Montana's rates for the remaining traumatic causes of death—accident (both motor vehicle and non-motor- vehicle) and suicide rates—were substantially higher than those for the nation.

These graphs show secular (i.e. long-term, despite occasional instability in the short-term) reductions in Montana's age-adjusted death rates for specific chronic diseases such as heart disease, cancer, influenza and pneumonia, and cerebrovascular disease. The rates for chronic liver disease and cirrhosis are on the increase, although the trends are somewhat unstable. The rates for Alzheimer's, nephritis, C.L.R.D., and diabetes are neither increasing nor decreasing consistently.

The rate for suicide has increased since 1999 and is often about twice the U.S. rate. Both the U.S. and Montana rates for accidents of all types are increasing, although Montana's are much higher than those for the U.S. Montana's rates for motor vehicle accidents are not only higher than U.S. rates, they are also increasing while U.S. rates are stable.

AGE, SEX, AND RACE

Different causes of death are likely to be associated with different ages, sexes, and races of the decedent. Males were more likely than females to die of many of the leading causes of death found in Vital Statistics reference tables. For instance, more males than females died of suicide, chronic liver disease and cirrhosis, heart disease, and accidents. On the other hand, more females than males died of cerebrovascular diseases, influenza and pneumonia, and Alzheimer's disease. There was a large difference between the numbers of male and female deaths from traumatic causes. Males accounted for nearly 63% of the accidental deaths. More than twice as many males as females died of homicide. Finally, nearly four times as many males as females committed suicide. In contrast, much more nearly equal numbers (and proportions) of males and females died of heart disease, cancer, and CLRD. **Figure 42** displays frequencies of death for Montanans in 2007 by race, sex, and selected major cause of death.

Figure 42

**FREQUENCY OF DEATH BY SELECTED CAUSE, RACE, AND SEX
MONTANA RESIDENTS, 2007**

Cause of Death	All Races Male	All Races Female	White Male	White Female	Native American Male	Native American Female
ALL CAUSES	4,342	4,228	4,081	4,002	246	208
DISEASES OF HEART	1,032	828	990	802	38	25
MALIGNANT NEOPLASMS (CANCER)	984	922	933	881	46	35
ACCIDENTS	379	224	333	191	45	30
CHRONIC LOWER RESPIRATORY DISEASES	300	304	287	286	12	16
CEREBROVASCULAR DISEASES	168	269	161	258	7	10
INTENTIONAL SELF-HARM (SUICIDE)	152	40	144	36	8	4
DIABETES MELLITUS	136	122	122	110	13	11
CHRONIC LIVER DISEASE AND CIRRHOSIS	94	45	76	32	2	4
ALZHEIMER'S DISEASE	83	177	81	173	18	13
INFLUENZA AND PNEUMONIA	76	104	72	103	3	1
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	52	57	52	51	-	6
PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	37	45	36	43	1	2
HOMICIDE	17	6	12	3	5	3
ALL OTHER CAUSES	832	1,085	782	1,033	48	48

As mentioned in the Technical Overview of this report, the Montana death certificate, beginning in 2003, records race in greater detail than in the past. Not only are more racial categories used, but informants are also specifically asked to name all of the several classifications that may apply to a decedent. The result of this additional prompting has been a much greater proportion of decedents classified by two or more races. In order to calculate mortality rates by race, NCHS has provided OVS the most likely “bridged,” or main, race for each decedent. These bridged race classifications are described in the introduction of this report and are used in the report’s figures and mortality reference tables. This different manner of counting deaths by race could very possibly alter the outcome of age-specific or cause-specific mortality ratios calculated for the various races and affect apparent racial disparities. **Figure 43** displays the distribution of decedents by race for the last decade, by year of death.

Figure 43

**FREQUENCY AND PERCENT DISTRIBUTION OF DEATH BY RACE*
MONTANA RESIDENTS, 1998-2007**

RACE	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
ALL RACES	7,984	8,082	8,071	8,252	8,473	8,443	8,083	8,497	8,435	8,570
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
WHITE	7,615	7,618	7,668	7,839	8,003	7,977	7,613	8,019	7,918	8,083
Percent	95.4	94.3	95.0	95.0	94.5	94.5	94.2	94.4	93.9	94.3
NATIVE AMERICAN	345	429	366	385	433	425	437	443	481	454
Percent	4.3	5.3	4.5	4.7	5.1	5.0	5.4	5.2	5.7	5.3
OTHER OR UNKNOWN RACE	24	35	37	28	37	41	33	35	36	33
Percent	0.3	0.4	0.5	0.3	0.4	0.5	0.4	0.4	0.4	0.4

* Only single racial classifications were reported on the Montana death certificate in years prior to 2003. In subsequent years multiple races were reported and, for those records on which more than one race was reported, a single main or “bridged” race was chosen from among the reported races.

Slightly more than a fifth of the Native Americans who died in 2007 died of one of the traumatic causes—suicide, homicide, or accident—while only about half that proportion of the deaths of whites were attributed to these causes.

Accidents caused a greater proportion of the deaths among the young than the old. They accounted for 14.3% of the deaths of those 14 years of age or younger, 62.1% of the deaths of those between the ages of 15 and 24, and 50.0% of those between the ages of 25 and 34 years. By contrast, accidents accounted for less than 3% of the deaths of those aged 65 or older.

Suicide was the cause of death for 14.5% of the decedents between the ages of 15 and 44. By contrast, it was the cause of death for only 2.2% of decedents of all ages. Of the suicide victims, four-fifths were males.

As age at death increases, chronic diseases—particularly heart disease and cancer—become more frequent as the cause of death. Cancer and heart disease were the leading causes of death for the age categories between 45 and 84 years—28.8% and 20.7% of the deaths in that age group, respectively. However, for the age categories 85 and older, heart disease was the leading cause, with cancer second—27.1% and 13.3%, respectively. For the all-age category, cancer (22.2%) was the leading cause of death, followed closely by heart disease (21.7%). Frequencies of death by cause for various age groups are shown in **Figure 44**. Frequencies and crude rates for the ten leading causes of death (for decedents of all ages) are shown for Montana and each of its counties in **Table S-5**.

Figure 44

**FREQUENCY OF DEATH BY SELECTED LEADING CAUSES
OF DEATH AND AGE
MONTANA RESIDENTS, 2007**

CAUSE OF DEATH	TOTAL	UNDER 1 YEAR	1-4 YEARS	5-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 OR MORE
TOTAL, ALL CAUSES	8,570	76	17	19	145	132	228	649	961	1,335	2,240	2,768
HIV INFECTION	5	0	0	0	0	0	2	3	0	0	0	0
CANCER	1,906	0	2	1	8	8	21	152	316	475	554	369
DIABETES	258	0	0	0	2	1	7	18	40	57	72	61
ALZHEIMER'S DISEASE	260	0	0	0	0	0	0	0	2	18	67	173
HEART DISEASE	1,860	1	1	1	4	6	23	110	205	263	497	749
CEREBROVASCULAR DISEASE	437	1	0	0	0	0	6	17	34	47	123	209
ATHEROSCLEROSIS	24	0	0	0	0	0	0	2	4	3	7	8
PNEUMONIA AND INFLUENZA	180	1	0	0	0	0	2	4	5	13	50	105
CHRONIC LOWER RESPIRATORY DISEASES	604	0	1	0	0	0	1	17	48	162	232	143
CHRONIC LIVER DISEASE AND CIRRHOSIS	139	0	0	0	1	2	13	47	36	21	17	2
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS	109	0	0	0	1	0	1	6	5	18	30	48
CONDITIONS ORIGINATING IN PERINATAL PERIOD	20	20	0	0	0	0	0	0	0	0	0	0
CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES	34	25	2	2	0	0	1	1	1	2	0	0
SUDDEN INFANT DEATH SYNDROME	11	11	0	0	0	0	0	0	0	0	0	0
ACCIDENT	603	1	7	8	90	66	72	95	76	44	66	78
SUICIDE	192	0	0	3	20	24	29	45	34	9	16	12
HOMICIDE	23	0	0	0	8	5	3	5	2	0	0	0
OTHER CAUSES	1,905	16	4	4	11	20	47	127	153	203	509	811

YEARS OF POTENTIAL LIFE LOST

The more traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes causes of death that affect the elderly, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the “premature years of potential life lost” calculation, which is easily understood and is used by the Center for Disease Control and Prevention (CDC). For each decedent younger than 75, the age at death is subtracted from 75. The results are summed by cause of death. This measure is referred to here as YPLL-75.

Frequencies and crude population-based rates for the ten leading causes of death for Montana residents are reported in **Table S-5**. The ten leading causes of death, in order, are cancer (22.2% of all resident deaths), heart disease (21.7%), chronic lower respiratory diseases (CLRD) (7.1%), accidents (7.0%), cerebrovascular disease (5.1%) Alzheimer’s disease (3.0%), diabetes (3.0%), suicide (2.2%), pneumonia and influenza (2.1%), chronic liver disease and cirrhosis (1.6%).

Figure 45

FREQUENCY OF DEATH BY CAUSE OF DEATH MONTANA RESIDENTS, 2007

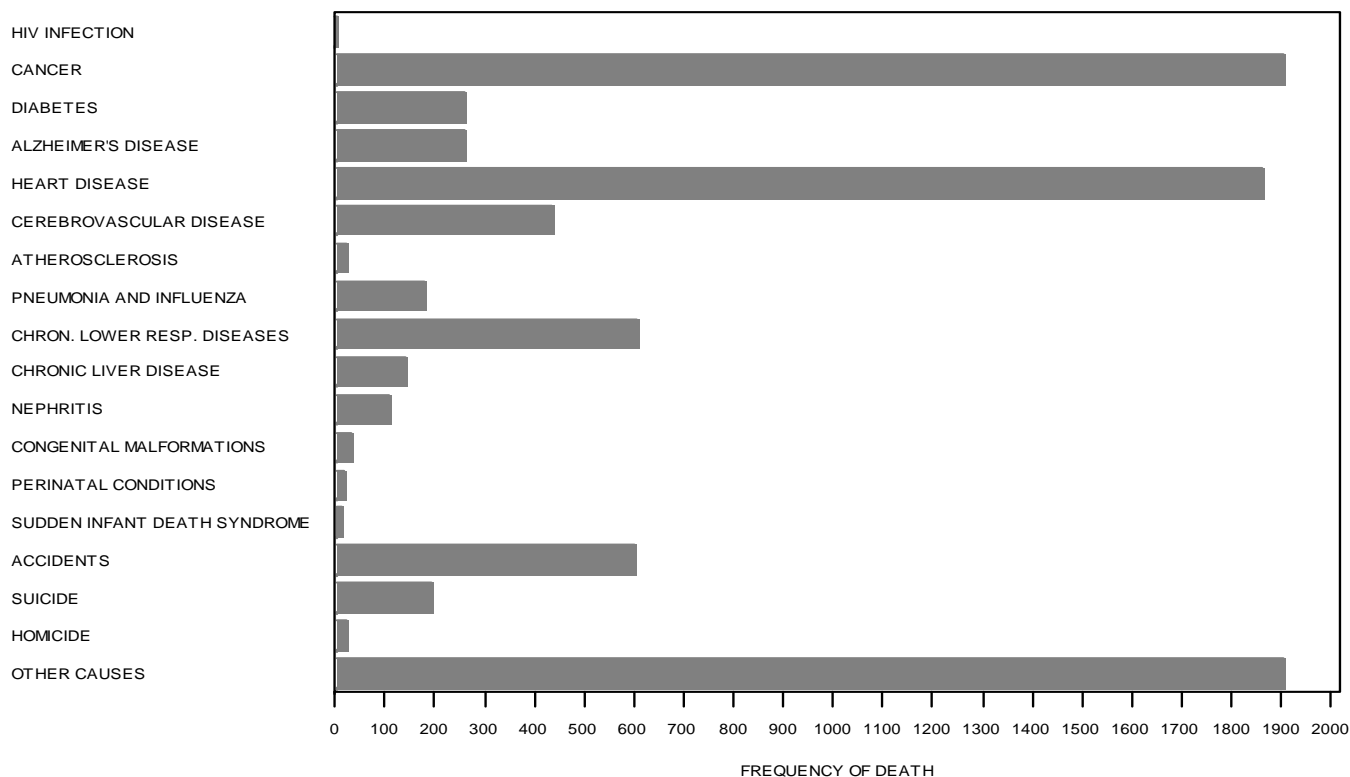
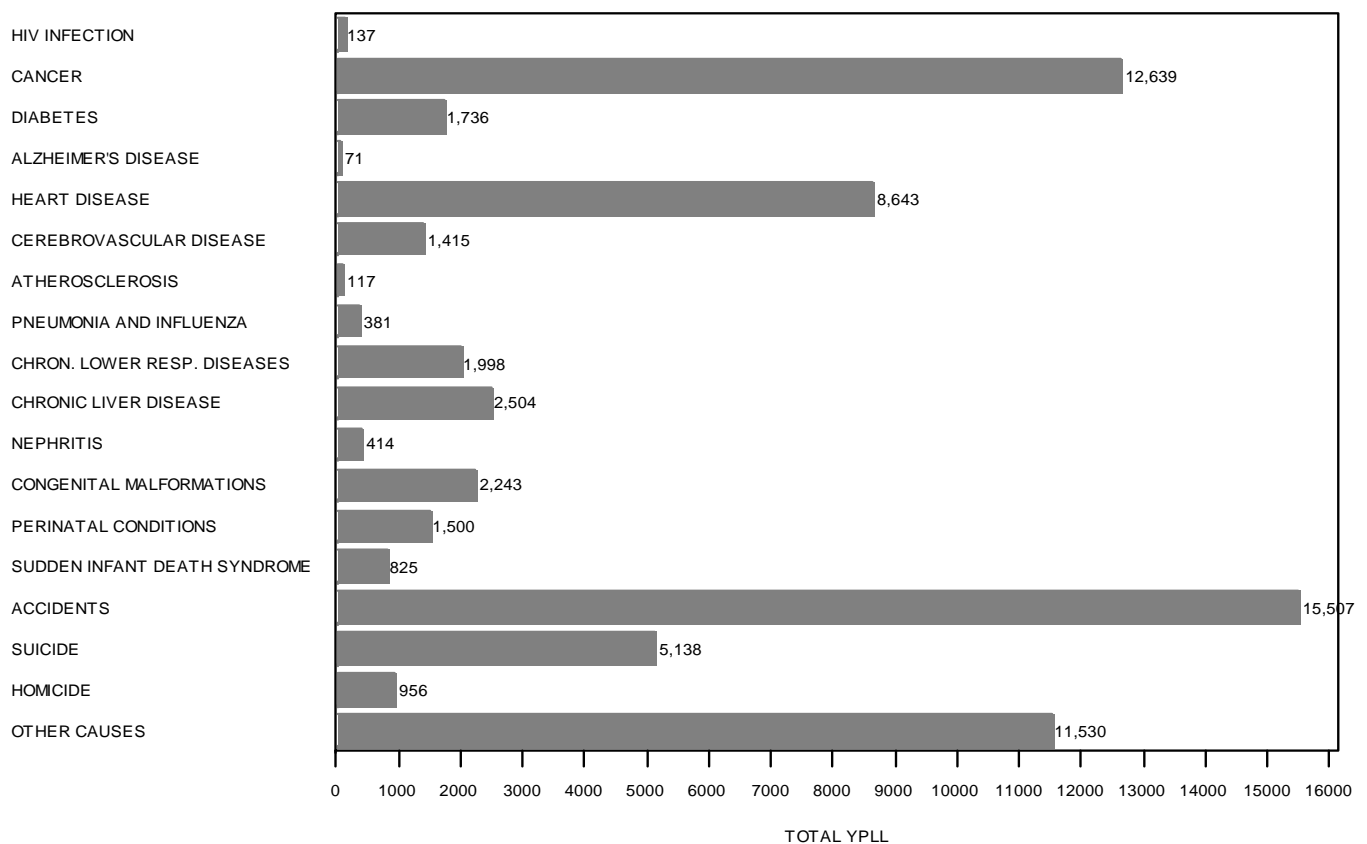


Figure 45 represents the traditional view of cause of death analysis, showing the frequency, or number of deaths, in each cause of death category. Montanans of all ages who died of one of the listed causes in 2007 are reflected in this figure.

An alternative perspective, YPLL-75, is shown in **Figure 46**. Only decedents younger than 75 at the time of death are reflected in this figure

Accidents (both motor and non-motor-vehicle), homicide and legal intervention, and suicide comprise only 9.5% of the deaths in 2007 but accounted for 31.9% of the total losses as measured by YPLL-75. This disparity in proportions, with less than a tenth of the deaths accounting for nearly a third of all years lost, points to the disproportionately large cost (in terms of life lost) of the typical death from traumatic causes and emphasizes the many young people lost to such potentially preventable causes of death.

Figure 46
TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2007

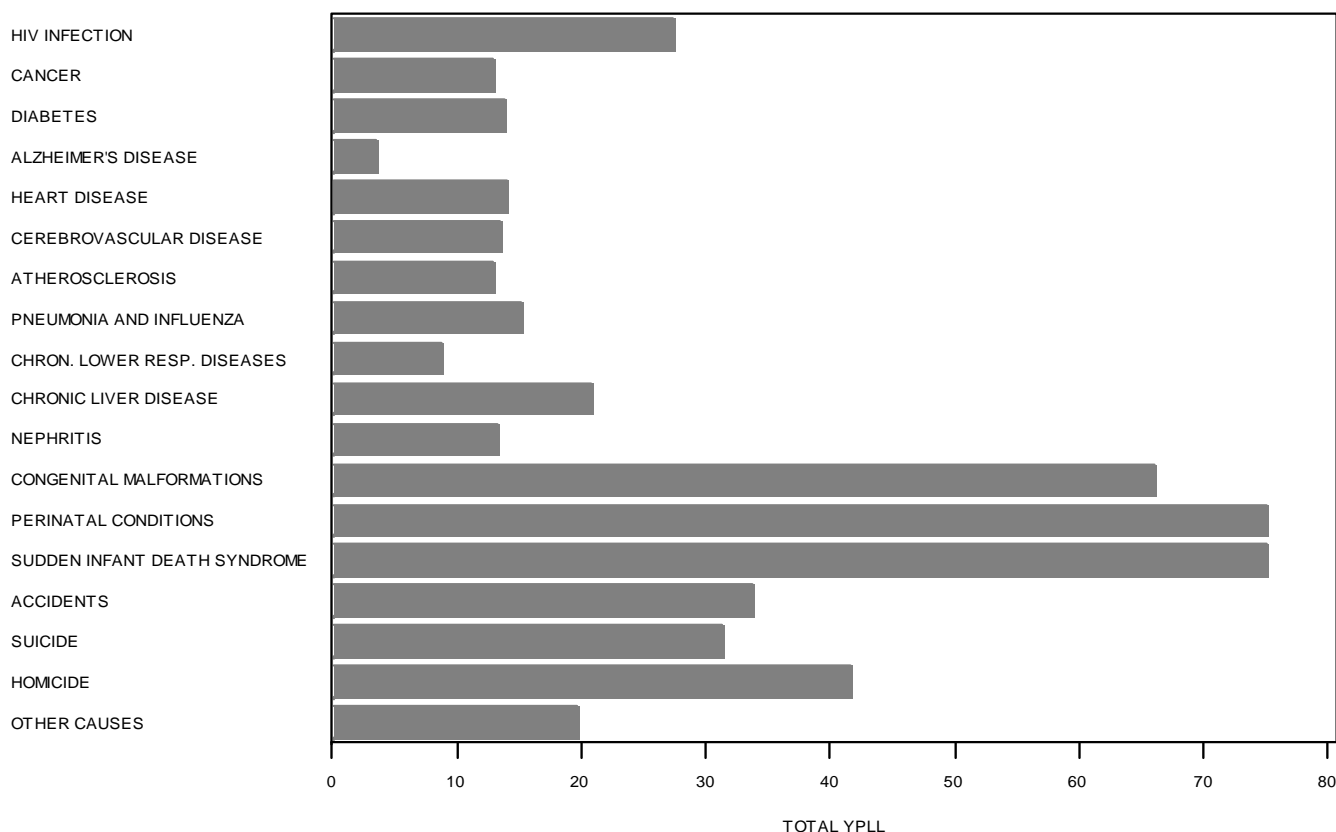


In 2007, the total loss of life before age 75 was 67,754 years. The loss to society resulting from cancer was 18.7% of all years lost. Accidental deaths of any type (motor and non-motor vehicle accidents) accounted for 22.9% of total YPLL, with motor vehicle accidents accounting for 13.3% and non-motor-vehicle accidents accounting for 9.6%. Heart disease also caused large losses to society, accounting for 8,643 years lost (12.8%). Other deaths due to traumatic injury such as suicide and homicide, accounted for 7.6% and 1.4%, respectively.

Regardless of which of these two perspectives is used, cancer and heart disease cause a large social loss because of the numbers of deaths they cause, both among decedents of all ages and those less than 75 years of age. In both cases many of the decedents were younger than 75 years of age at death. Nearly fifty-two percent of cancer victims were younger than 75. About a third of heart disease victims were younger than this age. The YPLL-75 perspective does reorder the ranking of the leading causes of death, highlighting areas the CDC has said “provide the greatest potential for health improvement.” (Morbidity and Mortality Weekly Report, June 20, 1997). Frequency of accidental deaths (both motor and non-motor vehicle) was ranked 4th in cause of death by frequency but this cause of death is ranked 1st in terms of YPLL-75, indicating that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death. Suicide ranked 8th by frequency, but became the 4th leading cause when measured by total YPLL-75.

Figure 47

**AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2007**



Average YPLL-75 is calculated by dividing the total YPLL-75 for each cause of death by the number of decedents less than 75 years of age. While total YPLL-75 emphasizes the loss to society in terms of years of lost life, average YPLL-75 emphasizes the loss to the individual. This measure is shown in Figure 47 on the previous page.

Figure 48

**AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 2007**

CAUSE OF DEATH	AVERAGE YPLL - 75	NUMBER OF DECEDENTS YOUNGER THAN 75	TOTAL YPLL - 75	MINIMUM AGE	MEAN AGE	MEDIAN AGE	MAXIMUM AGE	STANDARD DEVIATION	NUMBER OF DECEDENTS OF ALL AGES
ALL CAUSES	19.0	3,562	67,754	0	73.3	78	111	18.7	8,570
CONDITIONS ORIGINATING IN PERINATAL PERIOD	75.0	20	1,500	0	0	0	0	0	20
SUDDEN INFANT DEATH SYNDROME	75.0	11	825	0	0	0	0	0	11
CONGENITAL MALFORMATIONS & CHROMOSOMAL ANOMALIES	66.0	34	2,243	0	9	0	70	20.5	34
HOMICIDE	41.6	23	956	17	33.4	27	60	13.8	23
ACCIDENT	33.8	459	15,507	0	51.9	51	102	24.7	603
SUICIDE	31.3	164	5,138	13	49.5	49	92	19.4	192
HIV INFECTION	27.4	5	137	37	47.6	51	53	7	5
CHRONIC LIVER DISEASE AND CIRRHOSIS	20.9	120	2,504	23	57.8	56	98	13.1	139
INFLUENZA AND PNEUMONIA	15.2	25	381	0	84.1	86	105	13.3	180
HEART DISEASE	14.1	614	8,643	0	77.9	82	111	14.3	1,860
DIABETES	13.9	125	1,736	20	72.9	76	97	14.2	258
CEREBROVASCULAR DISEASE	13.5	105	1,415	0	80.4	84	101	13	437
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	13.4	31	414	17	79.2	83	99	14	109
ATHEROSCLEROSIS	13.0	9	117	50	77.5	78	103	14.5	24
CANCER	12.9	983	12,639	1	72.4	74	106	13.4	1,906
CHRONIC LOWER RESPIRATORY DISEASES	8.7	229	1,998	2	76.8	78	103	10.6	604
ALZHEIMER'S DISEASE	3.6	20	71	64	86.5	88	103	7.1	260
OTHER CAUSES	19.7	585	11,530	0	77	82	108	17.9	1,905

* The *mean* is the arithmetic average and the *median* is the midpoint. The *standard deviation* measures the concentration of the distribution around the mean.

The categories “conditions originating in the perinatal period” and “sudden infant death syndrome” showed the greatest average loss to an individual (75 years lost) followed by “congenital malformations and chromosomal anomalies (66 years). Traumatic causes of death—including homicide and legal intervention (41.6 years lost), motor vehicle accidents (36.1 years lost), suicide (31.3 years lost) and non-motor-vehicle accidents (31.0 years lost)—occupied the next four highest ranks.

Figure 48 on the previous page summarizes average and total YPLL-75, frequency of death, and age at death in tabular form for selected causes of death. The left side of the table shows YPLL-75 and related measures for decedents less than 75 years of age at the time of death. The right side of the table shows statistics referring to all decedents, regardless of age.

Specific causes of death are shown in descending order of average years of life lost before age 75. In general, average YPLL-75 was high when median age was low. For instance, victims with Alzheimer’s had the lowest associated average YPLL-75, 3.6 years per decedent younger than 75, and the highest median age, 88.0 years, among all the specified causes.

There were several exceptions, however, because average YPLL-75 is influenced by both the age at which decedents died and the number of decedents under age 75 in the cause-of-death category in question. Average YPLL-75 was highest for those dying of conditions arising in the perinatal period. This is not surprising, since such decedents generally die in infancy or early childhood. Compared to the numbers who died of cancer (1,906) or heart disease (1,860), relatively few residents died of conditions arising in the perinatal period. However, all 20 of these decedents died within the first year of life and each contributed the maximum number of years (75) to total YPLL-75.

Although YPLL has significant advantages for analyzing mortality data from a public health perspective, it has a decided disadvantage in that some data—the records of the older decedents—are excluded from the analysis. More than half of the decedents who died from influenza and pneumonia, nephritis, heart disease, diabetes, cerebrovascular disease, chronic lower respiratory disease, atherosclerosis, and Alzheimer’s are excluded from YPLL-75 analysis. While YPLL highlights those causes of death having the greatest impact on the younger members of the population, it does so at the cost of diverting attention from the causes of death affecting older members.

CANCER INCIDENCE

CANCER INCIDENCE BY PRIMARY SITE

This section contains a report on Montana's cancer incidence data for the diagnosis years 1998-2007, reported as of October 2008 to the Montana Central Tumor Registry. Mortality data in this report are shown for only the 2007 calendar year. Overall, reporting is over 95% complete for cancer cases diagnosed 1998-2007. Reporting for the 2007 diagnosis year is approximately 84% complete with 4,531 new cancer diagnoses having been reported. The expected number of Montana cancer cases for 2007 is approximately 5,000. Estimates of Montana's expected cancer cases are based on the North American Association of Central Cancer Registries (NAACCR) method. The expected incidence rate for Montana was computed from Montana race-sex-site-specific age-adjusted death rates (2000 U.S.) and incidence-to-mortality (I/M) rate ratios computed from Statistics, Epidemiology, and End Results (SEER) race-sex-site-specific age-adjusted (2000 U.S.) incidence rates and U.S. race-sex-site-specific age-adjusted death rates (2000 U.S.).

Table C-1 shows reported incidence of cancer for Montana residents diagnosed from 1998-2007 (10-year incidence). While previous reports showed cancer incidence data for one year, this report tabulates cancer incidence for 10 years and the data should not be compared with those in previous publications showing one-year incidence data. The table shows cancer incidence by sex and by primary site--the original bodily location or organ system of the cancer. The most frequently diagnosed cancers were of the prostate (17.0% of all cancer diagnoses, 33% of male diagnoses), female breast (16.7% of all diagnoses, 35% of female diagnoses), the lung and bronchus (13.9%), the colon (7.2%), melanoma (3.3%), the urinary bladder (4.7%), Hodgkin and Non-Hodgkin Lymphoma (4.3%), and the rectum and rectosigmoid (2.8%). Invasive cervical cancer accounted for only 1.5% of female cancers (9.2% for both in-situ and malignant) for females for 1998-2007. However, 1,803 of the 2,144 cervical cancers were in-situ--that is, non-invasive. Testicular cancer also accounted for 1.1% of male cancers--only 266 cases were reported in 1998-2007.

Table C-2 shows the incidence of cancer for the ten most frequently diagnosed primary sites and by the sex and age of the patient at diagnosis. Men diagnosed with prostate cancer tended to be 50 or older. Diagnoses of breast cancer in women generally began in their late thirties and the age distribution was not as concentrated on a central age category as was that of prostate cancer for men. In 1998-2007, Montanans diagnosed with cancers of the lung and bronchus or the urinary bladder were most likely to be men aged 50 or older. Those diagnosed with cancer of the colon were about equally likely to be male or female and usually 50 years of age or older. The distribution of cancer diagnoses by site, sex and age is shown in **Table C-2**. Cancer diagnoses by site, sex, and county of residence is shown in **Table C-3** for the 10 most frequently diagnosed primary sites.

Figures 49, 51, 53, and 55 show the number of cancer diagnoses by year, sex of the patient, and stage of disease at diagnosis for prostate, breast, lung, and colorectal cancer, respectively. The stage of disease is recorded at the time of diagnosis and is not changed if the cancer progresses. Diagnosis at a localized stage means that the cancer has not spread beyond the organ or site of origin. Diagnosis at a regional stage means the cancer has spread to adjacent organs or regional lymph nodes. Diagnosis at a distant stage means the cancer has spread past adjacent organs or tissues to lymph nodes or organs elsewhere in the body.

Figures 50, 52, 53, and 56 show the five-year relative survival rates for these same cancers, comparing Montana and the United States (SEER). SEER rates are used for comparison as they represent the U.S. as a whole and also provide survival statistics. The five-year survival rate is the percent of all patients who are living five years after diagnosis, whether the patient is in remission, disease-free, or under treatment. These rates have been adjusted to account for patients dying from causes other than cancer.

PROSTATE CANCER

Prostate cancer was the most common cancer diagnosed in men in Montana and the United States, with 8,276 cases reported for 1998-2007 and 773 cases reported for 2007 in Montana. This incidence rate usually exceeds that of lung cancer. Nationally, it is primarily a disease of the elderly, as the median age at diagnosis is 70. In 2007, 115 Montana residents died of prostate cancer (**Tables D-1, D-2, D-5, and D-6**), making it the fourth leading cause of cancer deaths.

Figure 49 shows the number of prostate cancer diagnoses reported by year and the stage at diagnosis for the years 1998 through 2007. The patient diagnosed with prostate cancer at early stages may be asymptomatic or just have symptoms of lower urinary tract obstruction. During 1998-2007, 75% of prostate cancers were diagnosed at a local stage but being diagnosed at a localized stage has increased from 65% in 1998 to 84% in 2007. Bone pain is the most frequent complaint from patients diagnosed with advanced disease. In Montana, the percentage of prostate cancers diagnosed at a distant stage decreased from 5% in 1998 to 3% in 2007. The Prostate-Specific Antigen (PSA) test has been useful in detecting prostate cancer at earlier stages. Almost 95% of cancers of the prostate are characterized as adenocarcinoma. The percent of unknown stage at diagnosis decreased from 17% in 1998 to 3% in 2007.

Figure 49

DIAGNOSIS OF PROSTATE CANCER MONTANA RESIDENTS, 1998-2007[^]

Year of Diagnosis	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Number of Cases Diagnosed	744	782	812	854	923	887	875	859	767	773
Percent Stage at Diagnosis*										
Local	65%	63%	68%	71%	75%	72%	83%	81%	85%	84%
Regional	13%	15%	12%	10%	11%	13%	11%	11%	10%	9%
Distant	5%	3%	4%	4%	3%	4%	4%	4%	3%	3%
Unknown	17%	18%	15%	15%	11%	11%	2%	3%	2%	3%

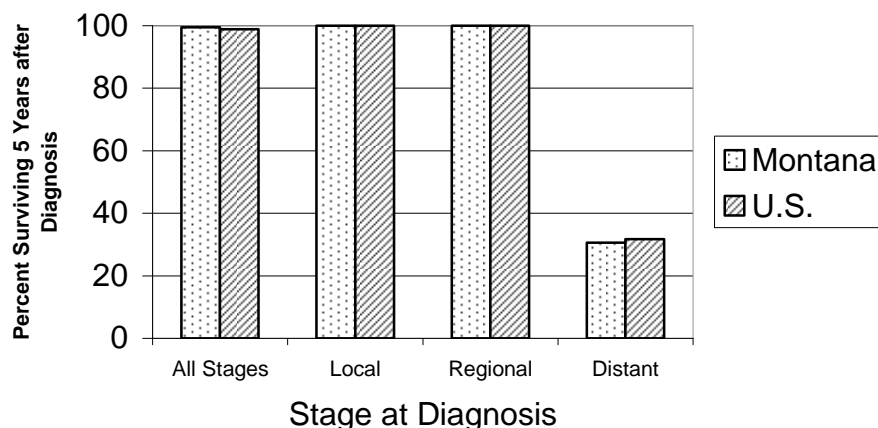
[^] 2006 data only 80% complete.

* Percentages may not add to 100 because of rounding.

Figure 50 shows five-year survival rates for prostate cancer, comparing Montana's to the United States' rate. One hundred percent of Montanans diagnosed at a localized or regional stage were alive five years after diagnosis; however, only about 30% of those diagnosed at a distant stage were alive five years after diagnosis. Although survival rates are high for early diagnosis, it should be re-emphasized that prostate cancer was the fourth leading cause of cancer deaths among Montanans in 2007.

Figure 50

**FIVE-YEAR RELATIVE SURVIVAL BY STAGE FOR PROSTATE CANCER
MONTANA AND THE UNITED STATES, 1998-2007**



Prostate cancer is generally treated with surgery or radiation. About 45% of patients diagnosed with prostate cancer have surgery (transurethral resection of the prostate (TURP) or prostatectomy) and about 30% of patients diagnosed with prostate cancer have radiation therapy during first course of treatment. Very few patients opt for both surgery and radiation. Patients with early stage prostate cancer often opt for no treatment, but their physicians must watch these patients closely. About 20% are treated with hormonal therapy shortly after diagnosis, but this course of treatment is usually reserved for patients with advanced disease.

BREAST CANCER

Breast cancer was the most frequently reported malignancy among Montana women with 8,101 cases reported for 1998-2007 and 772 cases reported for 2007. It was the underlying cause of death for 116 female Montanans and no males, making breast cancer the third leading cause of cancer deaths in 2007 (**Tables D-1, D-2, D-5, and D-6**). Breast cancer incidence increases dramatically with age, and the majority of cases occur after age 50. In Montana in 2007, 21% were diagnosed at an in-situ stage, 50% of breast cancers at a local stage, 24% at a regional stage, and 4% at a distant stage.

The distribution of stage at diagnosis is shown in **Figure 51**. The proportion of patients diagnosed at an in-situ stage has increased slightly over the past decade, while the proportion diagnosed at local and regional stages has decreased. Patients are being diagnosed at earlier stages and are detecting cancers earlier. It is well established that women with early-stage breast cancer have better chances of survival. Screening mammography can detect a breast cancer in an earlier stage, which may account for an increase in the diagnosis of breast cancer nationally over the last decade. The percent of unknown stage at diagnosis decreased from 4% in 1998 to 2% in 2007.

Figure 51

**DIAGNOSIS OF BREAST CANCER
MONTANA RESIDENTS, 1998-2007[^]**

Year of Diagnosis		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Number of Cases Diagnosed	Males	5	5	2	5	2	3	3	5	3	6
	Females	779	837	834	866	785	844	784	819	781	772
Percent Stage at Diagnosis*											
In-Situ		14%	17%	17%	20%	19%	20%	22%	18%	18%	21%
Local		53%	52%	54%	49%	52%	50%	48%	50%	50%	50%
Regional		27%	23%	22%	24%	22%	25%	23%	26%	26%	24%
Distant		2%	4%	3%	3%	2%	3%	4%	4%	3%	4%
Unknown		4%	5%	4%	4%	4%	3%	3%	2%	2%	2%

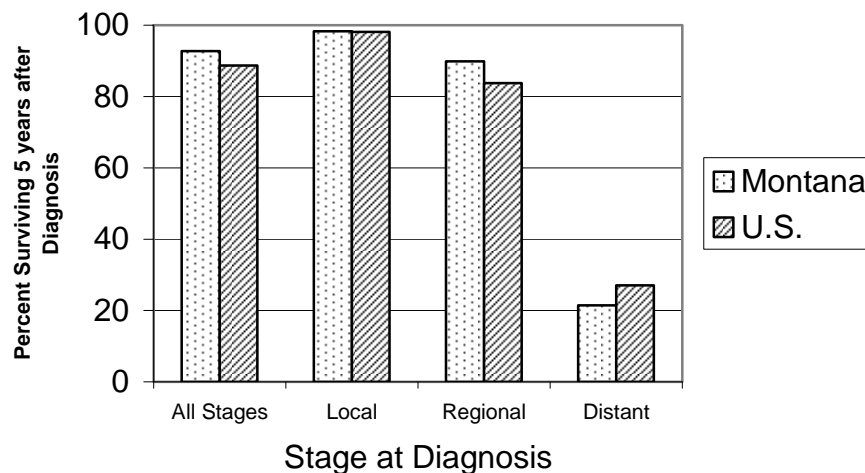
[^] 2006 data only 80% complete.

* Percentages may not add to 100 because of rounding.

Figure 52 shows the five-year relative survival rate for women diagnosed with breast cancer, comparing Montana with the United States. For Montana women, 98% of women survived five years if diagnosed at a local stage and about 88% if diagnosed at a regional stage. If the cancer was diagnosed at a distant stage, the five-year rate of survival was 20%. Breast cancer is treated in a variety of ways. About 95% of breast cancer patients are treated with surgery (lumpectomy or mastectomy) and about 40% are treated with radiation. About 40% are treated with both surgery and radiation and 35% of patients are treated with chemotherapy, hormonal therapy or both. Almost 75% of breast cancers are duct cell carcinomas and over 15% are lobular carcinomas, which are a form of adenocarcinoma of the mammary gland.

Figure 52

**FIVE-YEAR RELATIVE SURVIVAL BY STAGE FOR BREAST CANCER
MONTANA AND THE UNITED STATES, 1998-2007**



LUNG CANCER

In Montana, lung cancer was the second most common cancer diagnosis among men (after prostate cancer) and women (after breast cancer). In the years 1998-2007, 6,735 lung cancer cases have been reported and in 2007, 669 cases have been reported. It was the underlying cause of death for 562 Montanans (**Tables D-1, D-2, D-5, and D-6**), making it the leading cause of cancer deaths.

The number of cases diagnosed and the stage at diagnosis for lung cancer are shown in **Figure 53**. In 2007, 48% of lung cancers were diagnosed at a distant stage and only 14% at a local stage. Certain types of lung cancer spread very early and quickly, which causes the patient to be diagnosed at a regional or distant stage. The stage was unknown or unstageable for about 14% of lung cancer cases in 2007.

Figure 53

DIAGNOSIS OF LUNG CANCER MONTANA RESIDENTS, 1998-2007[^]

Year of Diagnosis		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Number of Cases Diagnosed	Males	411	339	380	357	367	371	344	373	323	340
	Females	319	263	308	331	299	299	301	355	326	329
Percent Stage at Diagnosis*											
Local		17%	16%	22%	15%	15%	15%	15%	16%	16%	14%
Regional		27%	28%	26%	29%	26%	24%	25%	21%	24%	23%
Distant		39%	39%	38%	37%	43%	47%	47%	55%	49%	48%
Unknown		17%	17%	14%	19%	16%	15%	12%	9%	11%	14%

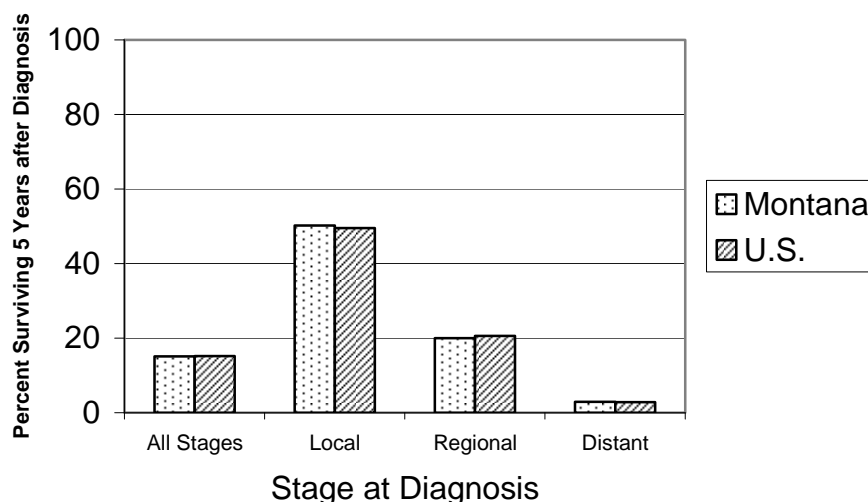
[^] 2006 data only 80% complete.

* Percentages may not add to 100 because of rounding.

Lung cancer has a much poorer prognosis than other cancers, partly because relatively few cases are diagnosed at an early stage. **Figure 54** shows the five-year relative survival rate for lung cancer, comparing Montana and the United States rates. Fifty percent of patients diagnosed at a localized stage survive five years; however, only 19% survive five years if diagnosed at a regional stage and about 3% if diagnosed at a distant stage. The types of treatment performed for lung cancer are determined by the type of cancer and the stage at diagnosis. Most lung cancers are treated with surgery, radiation, or chemotherapy. About 21% of patients with lung cancer are treated with surgery and about 35% are treated with radiation. Chemotherapy is given to about 45% of patients. A cough is the most common symptom of a lung cancer, but since coughing is a common symptom of many acute and chronic conditions, the diagnosis of lung cancer may be delayed. About 26% of lung cancers are adenocarcinoma, 24% are small cell carcinoma, and 20% are squamous cell carcinomas, derived from stratified squamous epithelium.

Figure 54

**FIVE-YEAR RELATIVE SURVIVAL BY STAGE FOR LUNG CANCER
MONTANA AND THE UNITED STATES, 1998-2007**



COLORECTAL CANCER

Colorectal cancer was the third most common malignancy in Montanans with 4,885 cases reported for 1998-2007; there were 423 cases diagnosed and 161 deaths caused by colorectal cancer in 2007 (**Tables D-1, D-2, D-5, and D-6**), making it the second leading cause of cancer deaths. Because of the anatomic proximity and physiologic similarity of the colon and rectum, these two segments are often reported together as “colorectal” cancer. The incidence of colorectal cancer is extremely low in childhood and increases with age. **Figure 55** shows the frequency and stage at diagnosis for cancers of the colorectum. In 2007, 40% were diagnosed at a local stage, 38% at a regional stage, and 16% at a distant stage.

Figure 55

**DIAGNOSIS OF COLORECTAL CANCER
MONTANA RESIDENTS, 1998-2007[^]**

Year of Diagnosis		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Number of Cases Diagnosed	Males	289	283	251	297	264	230	241	255	251	206
	Females	235	239	246	241	241	250	223	210	216	217
Percent Stage at Diagnosis*											
Local		34%	33%	37%	36%	36%	41%	35%	40%	43%	40%
Regional		41%	43%	42%	45%	39%	38%	37%	32%	31%	38%
Distant		17%	14%	15%	12%	17%	18%	18%	20%	20%	16%
Unknown		8%	9%	6%	7%	8%	4%	10%	8%	6%	6%

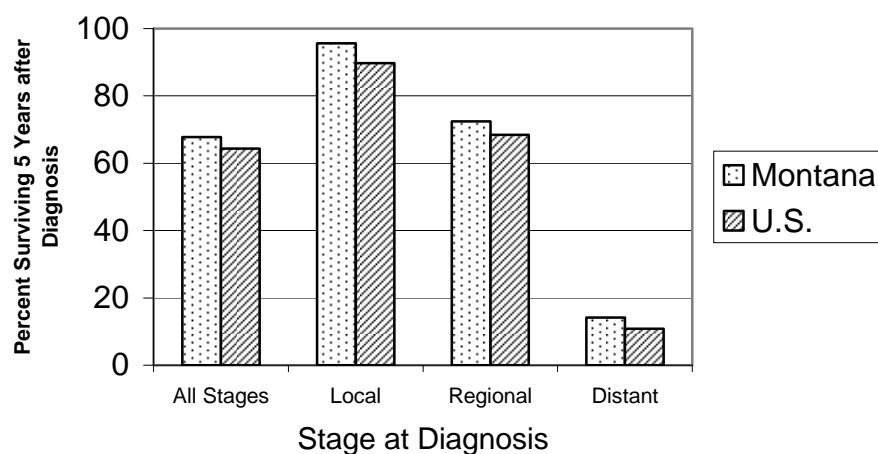
[^] 2006 data only 80% complete.

* Percentages may not add to 100 because of rounding.

Figure 56 shows the five-year relative survival of patients diagnosed with colorectal cancer, comparing Montana and the United States. When colorectal cancer is detected at an early, or localized, stage the five-year relative survival is 95%. After the cancer has spread to a regional organ or lymph node, the survival rate drops to about 72%. Colorectal cancer is most often treated with surgery or chemotherapy or both. About 85% of patients with colorectal cancer are treated with surgery and about 35% are treated with chemotherapy. About 35% of patients with rectal cancer are treated with radiation but only about 1% of patients with colon cancer are treated with radiation. About 92% of colorectal cancers are adenocarcinoma and of those, 12% are mucinous (an adenocarcinoma which secretes mucin).

Figure 56

**FIVE-YEAR RELATIVE SURVIVAL BY STAGE FOR COLORECTAL CANCER
MONTANA AND THE UNITED STATES, 1998-2007**



For more information on the incidence of cancer in Montana, visit the web site of the Montana Central Tumor Registry at <http://www.dphhs.mt.gov/PHSD/cancer-control/tumor-registry-index.shtml>.

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INDUCED ABORTION

There were 2,238 induced abortions performed in Montana in 2007. Of these, 1,977 were performed on Montana residents. Induced abortions have been reported to the Department since July 1, 1974, when the Montana Abortion Control Act was implemented. States no longer report induced abortions to NCHS and few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on incomplete reporting and Montana's complete resident abortion statistics are unknown. The statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete. **Figure 57** shows the ratio of abortions performed in Montana to live births occurring in Montana since 1976.

Since the reporting of induced abortions began, and continuing on to the early eighties, the ratio of abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly; the ratio was 129.9 in 1975 and rose to a peak of 295.6 in 1983. The trend fell and reached another near-peak (295.2) in 1990. From 1990 to the present, it has generally trended downward, varying unpredictably in some years. The ratio was 180.5 in 2007, a slight increase over the previous year.

Figure 57

RATIO OF INDUCED ABORTIONS TO LIVE BIRTHS MONTANA OCCURRENCES, 1975-2007

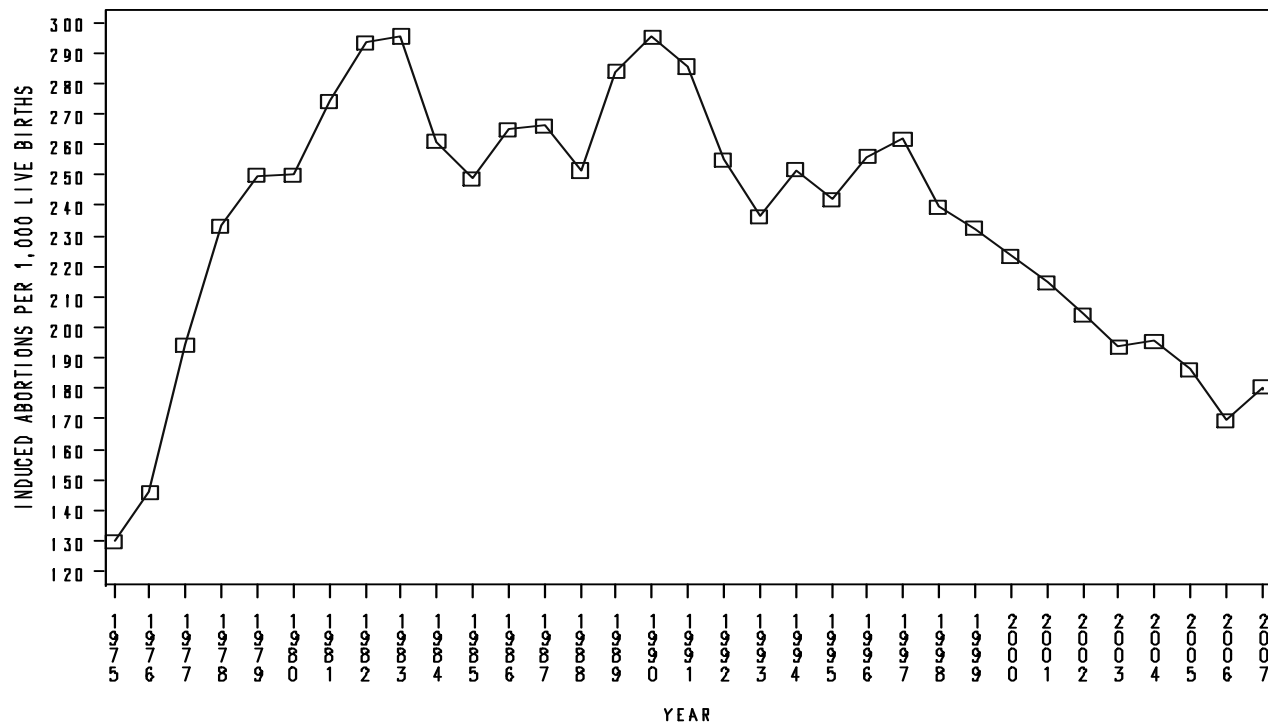


Table A-1 displays Montana occurrence abortions by the patient's number of previous pregnancies and number of previous induced abortions for 2007.

The frequency of induced abortion for all patients receiving the procedure in Montana in that year is also tabulated by age of patient (**Table A-2**) and by gestational age and procedure used for termination and gestational age of the fetus (**Table A-3**).

Table A-4 displays Montana occurrence abortions by county of occurrence, Montana county of residence, and state or country of residence.

Table **S-1** shows the frequency of induced abortions occurring (i.e. performed) in Montana and the ratio of these abortions to the number of live births occurring in the state.

Table S-6 shows the frequency of induced abortions--as well as that of live births and fetal deaths, the other pregnancy outcomes reported to the Department—by age and county of residence. The frequency of abortion in this table is for Montana residents receiving the procedure in Montana.

There were no deaths of women receiving abortions in Montana in 2007 attributable to the procedure of induced abortion. This has been the case in Montana since 1974.

Of the 2,238 abortion procedures performed in Montana in 2007, two resulted in reported complications-- one with infection, and one with a lost tampon.

MARRIAGE

There were 7,263 marriages solemnized in Montana in 2007 and the rate per 1,000 population, 7.6, was a slight increase over the previous year's rate. However, the trends in marriage rates for both Montana and the United States have been in long-term decline since 1980 (see **Figure 58** below).

Figure 58

MARRIAGE RATES MONTANA AND THE UNITED STATES, 1972-2007

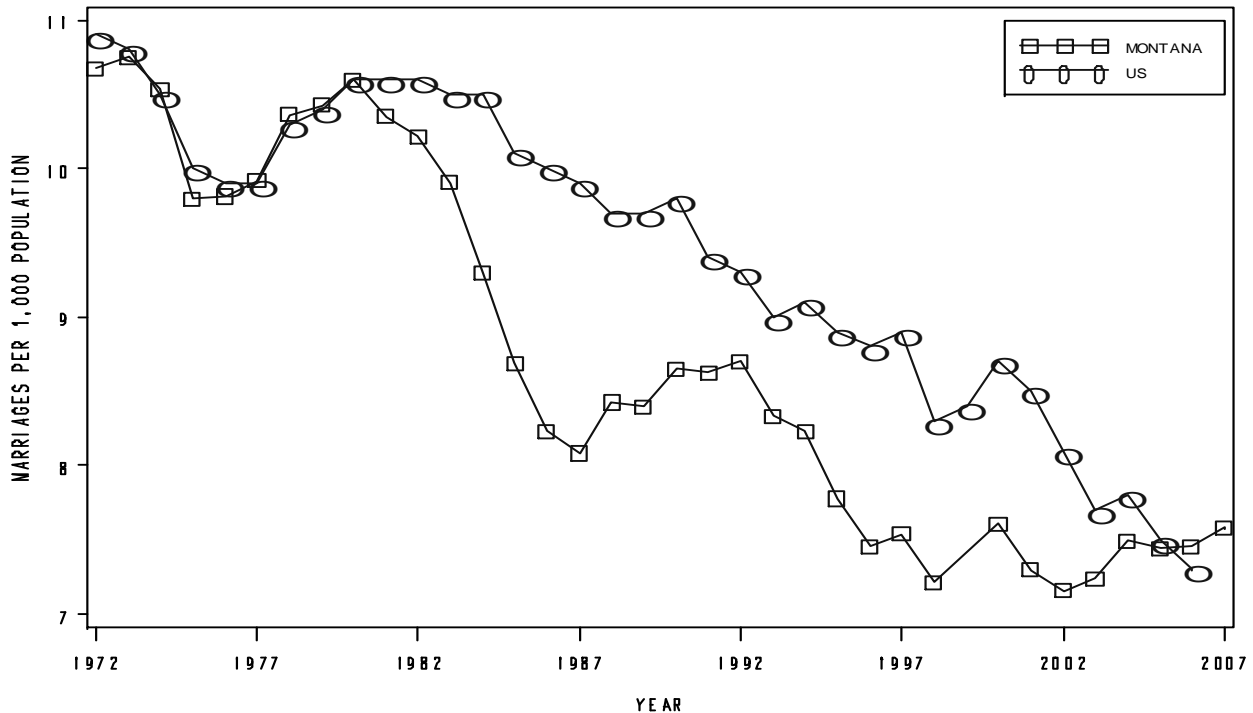


Table S-5 shows the number of marriages solemnized by the county where those marriages were performed. This table also shows the number of licenses issued, by county, for all marriages solemnized in Montana.

Table M-1 shows the frequency of marriage by month in the year 2007. The summer and early fall months (June through September) have been the most popular times for marriage.

The ages of brides and grooms, by age groups and prior marital status, are shown in **Table M-2**. Two-thirds of the brides (65.4%) and grooms (66.6%) married for the first time in 2007.

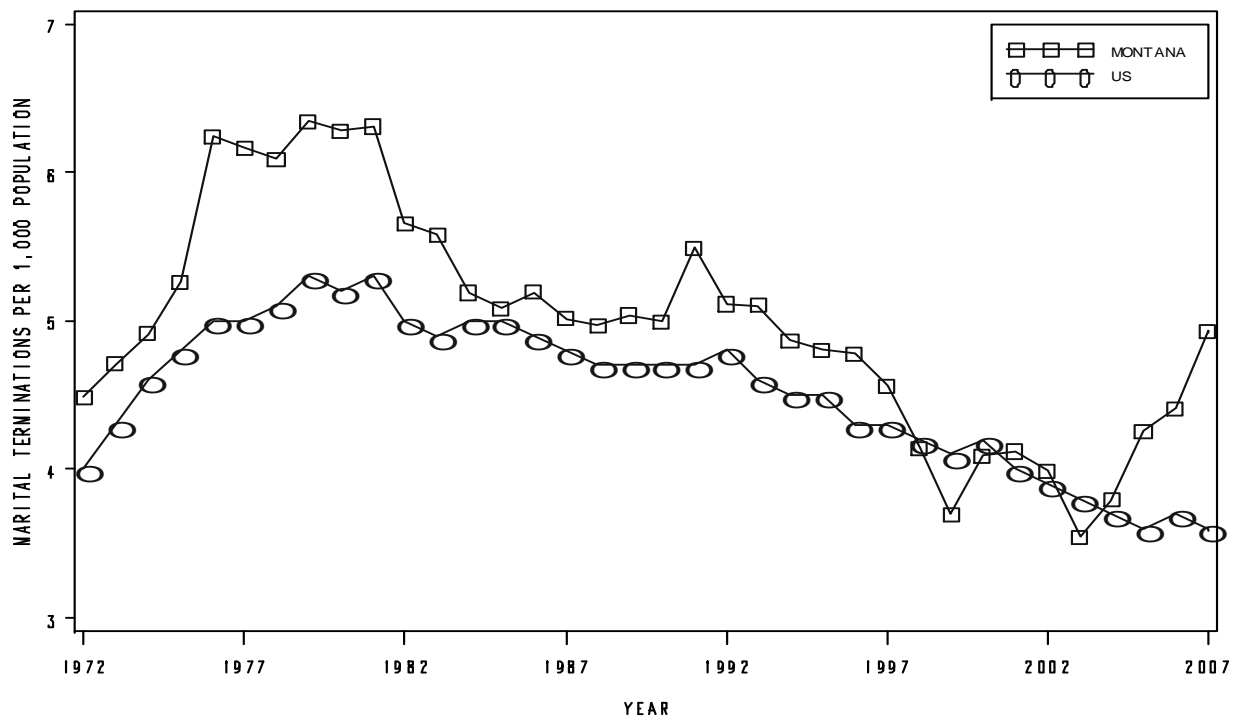
Just over half (55.4 %) of all marriages performed in Montana in 2007 were first marriages for both the bride and the groom. The frequency of such marriages is shown in **Table M-3** by age group of bride and groom. Median ages of brides and grooms are shown in **Table M-4**. The median age for first-time brides in 2007 was 26 years and that of first-time grooms was 25.

MARITAL TERMINATION

In October of 1998, the Judicial Case Management System (JCMS) assumed responsibility for the collection of marital termination records (marital dissolutions and invalid marriages). The records from 1998 through 2007 are not strictly comparable to those collected by the Office of Vital Statistics (OVS) in prior years. However, **Figure 59** shows that the trend in marital termination for Montana was roughly parallel to the national trend from 1972 through 1997, years in which data were collected by OVS, although the Montana rates were consistently higher in this period. In the years after 1997, when JCMS has been collecting marital termination data, the Montana rate rates have displayed no consistent relationship.

Figure 59

MARITAL TERMINATION RATES MONTANA AND THE UNITED STATES, 1972-2007*



* Montana data were collected by the Montana Office of Vital Statistics (OVS) through September 1998 and by the Judicial Case Management System (JCMS) thereafter. Data collected by JCMS are not comparable to those collected by OVS and should be used with caution. Data for the United States in 2007 are provisional.

Montana's frequency and rate of marital termination per 1,000 population is shown in **Table S-5**. During the last 20 years that OVS collected the data, this rate decreased from a high of 6.5 in 1979 to 4.6 in 1997. During the period of data collection by JCMS, the rate reached its maximum of 5.0 in 2007. As stated above, marital termination records collected after 1997—and rates calculated from those records—are not strictly comparable to those collected before that time.

2007

MONTANA

VITAL STATISTICS

REFERENCE TABLES

SYMBOLS USED IN THESE TABLES

QUANTITY IS ZERO	-
RATE OR PERCENT IS LESS THAN 0.05 . . .	--
DATA ARE NOT AVAILABLE	---

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TABLE S-1

**FREQUENCY AND RATE OR RATIO OF DEATH, LIVE BIRTH, FETAL, INFANT, AND MATERNAL DEATH,
MARRIAGES, MARITAL TERMINATIONS, AND ABORTIONS BY YEAR*
MONTANA, 1910-2007**

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS		MARRIAGES		MARITAL TERMINATIONS		ABORTIONS	
		NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE++	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**
1910	376,053	3,999	10.6	6,124	16.3	-	-	714	116.6	62	12.4	-	-	-	-	-	-
1915	468,067	5,072	10.8	11,132	23.8	-	-	816	73.3	91	817.5	-	-	-	-	-	-
1920	548,339	5,289	9.6	11,862	21.6	-	-	862	72.7	104	876.7	-	-	-	-	-	-
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7	-	-	-	-	-	-
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7	-	-	-	-	-	-
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5	-	-	-	-	-	-
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1	-	-	-	-	-	-
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	160.4	8,147	16.1	2,380	4.7	-	-
1950	591,024	5,817	9.8	15,592	26.4	233	14.9	441	28.3	20	128.3	7,235	12.2	1,951	3.3	-	-
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	28.6	6,514	10.2	1,793	2.8	-	-
1956	656,000	6,450	9.8	17,703	27.0	239	13.5	495	28.0	2	11.3	6,770	10.3	1,862	2.8	-	-
1957	667,000	6,486	9.7	18,219	27.3	224	12.3	462	25.4	5	27.4	6,495	9.7	1,886	2.8	-	-
1958	666,000	6,265	9.4	17,275	25.9	233	13.5	444	25.7	3	17.4	6,142	9.2	1,890	2.8	-	-
1959	669,000	6,570	9.8	17,646	26.4	223	12.6	431	24.4	3	17.0	6,228	9.3	1,931	2.9	-	-
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	28.7	5,883	8.7	1,877	2.8	-	-
1961	682,000	6,338	9.3	17,368	25.5	194	11.2	441	25.4	2	11.5	5,636	8.3	1,922	2.8	-	-
1962	709,000	6,418	9.1	16,818	23.7	210	12.5	436	25.9	7	41.6	5,051	7.1	1,822	2.6	-	-
1963	707,000	6,609	9.3	15,934	22.5	194	12.2	383	24.0	2	12.6	4,854	6.9	1,782	2.5	-	-
1964	705,000	6,851	9.7	15,094	21.4	200	13.3	403	26.7	7	46.4	4,556	6.5	1,847	2.6	-	-
1965	706,000	6,578	9.3	13,641	19.3	177	13.0	338	24.8	2	14.7	4,688	6.6	1,831	2.6	-	-
1966	702,000	6,864	9.8	12,623	18.0	140	11.1	286	22.7	3	23.8	4,914	7.0	1,925	2.7	-	-
1967	701,000	6,549	9.3	12,087	17.2	141	11.7	290	24.0	3	24.8	5,563	7.9	2,146	3.1	-	-
1968	693,000	6,534	9.4	11,992	17.3	146	12.2	233	19.4	1	8.3	6,250	9.0	2,352	3.4	-	-
1969	694,000	6,694	9.6	11,762	16.9	132	11.2	246	20.9	1	8.5	6,444	9.3	2,531	3.6	-	-
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	23.8	6,919	10.0	2,742	3.9	-	-
1971	710,000	6,860	9.7	12,347	17.4	127	10.3	267	21.6	-	-	7,128	10.0	3,005	4.2	-	-
1972	719,000	6,896	9.6	11,444	15.9	129	11.3	225	19.7	4	35.0	7,674	10.7	3,226	4.5	-	-
1973	721,000	6,870	9.5	11,392	15.8	105	9.2	222	19.5	-	-	7,751	10.8	3,395	4.7	-	-
1974	735,000	6,552	8.9	12,273	16.7	125	10.2	202	16.5	1	8.1	7,741	10.5	3,611	4.9	-	-
1975	748,000	6,539	8.7	12,070	16.1	112	9.3	187	15.5	3	24.9	7,331	9.8	3,936	5.3	1,535	129.9
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	-	-	7,390	9.8	4,698	6.2	1,803	145.9
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	7.5	7,547	9.9	4,692	6.2	2,539	194.5
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	22.1	8,136	10.4	4,780	6.1	3,092	233.5
1979	786,000	6,471	8.2	14,057	17.9	116	8.3	151	10.7	4	28.5	8,195	10.4	4,989	6.3	3,447	249.8
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	14.1	8,336	10.6	4,940	6.3	3,471	250.2
1981	793,000	6,709	8.5	14,309	18.0	85	5.9	153	10.7	-	-	8,209	10.4	5,004	6.3	3,838	274.2
1982	801,000	6,625	8.3	14,538	18.1	93	6.4	147	10.1	1	6.9	8,185	10.2	4,530	5.7	4,175	293.3
1983	817,000	6,699	8.2	14,054	17.2	91	6.5	126	9.0	4	28.5	8,092	9.9	4,561	5.6	4,061	295.6
1984	824,000	6,698	8.1	14,141	17.2	110	7.8	125	8.8	1	7.1	7,659	9.3	4,277	5.2	3,618	260.9
1985	826,000	6,725	8.1	13,497	16.3	96	7.1	139	10.3	-	-	7,178	8.7	4,200	5.1	3,291	249.0
1986	819,000	6,738	8.2	12,728	15.5	95	7.5	122	9.6	2	15.7	6,739	8.2	4,253	5.2	3,295	265.1
1987	809,000	6,597	8.2	12,239	15.1	96	7.8	121	9.9	-	-	6,540	8.1	4,057	5.0	3,175	266.3
1988	805,000	6,759	8.4	11,682	14.5	92	7.9	100	8.6	1	8.6	6,784	8.4	3,999	5.0	2,866	251.6
1989	805,600	6,735	8.4	11,667	14.5	86	7.4	133	11.4	-	-	6,765	8.4	4,059	5.0	3,245	283.9
1990	800,204	6,835	8.5	11,602	14.5	78	6.7	106	9.1	-	-	6,924	8.7	3,998	5.0	3,365	295.2
1991	809,680	6,995	8.6	11,498	14.2	90	7.8	82	7.1	1	8.7	6,984	8.6	4,443	5.5	3,226	285.6
1992	825,770	7,067	8.6	11,468	13.9	84	7.3	85	7.4	-	-	7,189	8.7	4,223	5.1	2,869	255.3
1993	844,761	7,457	8.8	11,362	13.4	74	6.5	84	7.4	-	-	7,041	8.3	4,311	5.1	2,645	236.6
1994	861,306	7,331	8.5	11,062	12.8	52	4.7	82	7.4	-	-	7,088	8.2	4,196	4.9	2,761	251.7
1995	876,553	7,614	8.7	11,136	12.7	67	6.0	79	7.1	-	-	6,818	7.8	4,214	4.8	2,674	242.0
1996	886,256	7,686	8.7	10,840	12.2	58	5.4	75	6.9	1	9.2	6,609	7.5	4,238	4.8	2,763	256.1
1997	889,867	7,730	8.7	10,840	12.2	49	4.5	74	6.8	-	-	6,708	7.5	4,058	4.6	2,809	261.8
1998	892,431	7,960	8.9	10,791	12.1	76	7.0	82	7.6	1	9.3	6,436	7.2	3,698	4.1	2,573	239.5
1999	897,511	8,082	9.0	10,779	12.0	62	5.8	71	6.6	-	-	6,785	7.6	3,318	3.7	2,499	232.5
2000	903,329	8,071	8.9	10,946	12.1	55	5.0	63	5.8	1	9.1	6,870	7.6	3,694	4.1	2,441	223.4
2001	906,098	8,252	9.1	10,947	12.1	43	3.9	73	6.7	2	18.3	6,611	7.3	3,735	4.1	2,350	214.9
2002	910,282	8,473	9.3	11,045	12.1	51	4.6	81	7.3	-	-	6,514	7.2	3,634	4.0	2,249	204.1
2003	917,453	8,444	9.2	11,384	12.4	55	4.8	76	6.7	2	17.6	6,640	7.2	3,255	3.5	2,213	193.8
2004	926,721	8,083	8.7	11,514	12.4	40	3.5	53	4.6	2	17.4	6,946	7.5	3,516	3.8	2,256	195.7
2005	935,784	8,497	9.1	11,573	12.4	54	4.7	81	7.0	1	8.6	6,964	7.4	3,983	4.3	2,155	186.5
2006	946,795	8,437	8.9	12,499	13.2	49	3.9	70	5.6	-	-	7,055	7.5	4,176	4.4	2,119	169.7
2007	957,861	8,570	8.9	12,437	13.0	38	3.1	76	6.1	2	16.1	7,263	7.6	4,720	4.9	2,238	180.5

*DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DEATH, LIVE BIRTH, FETAL, INFANT, AND MATERNAL DEATH TABULATIONS ARE BY PLACE OF RESIDENCE. MARRIAGES, MARITAL TERMINATIONS, AND ABORTION TABULATIONS REMAIN BY PLACE OF OCCURRENCE.

+ PER 1,000 ESTIMATED MIDYEAR POPULATION.

** PER 1,000 LIVE BIRTHS

++ PER 100,000 LIVE BIRTHS

MARITAL TERMINATION DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER OF 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-2

**FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH
BY COUNTY OF OCCURRENCE AND COUNTY OF RESIDENCE
MONTANA, 2007**

COUNTY	Deaths		Live Births		Fetal Deaths		Infant Deaths		Maternal Deaths	
	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.
MONTANA TOTAL	8,608	8,570	12,401	12,437	38	38	68	76	2	2
BEAVERHEAD	87	77	85	94	-	-	-	-	-	-
BIG HORN	86	122	217	281	1	2	2	4	-	-
BLAINE	37	63	-	123	-	1	-	-	-	-
BROADWATER	46	53	1	47	-	-	-	-	-	-
CARBON	68	92	2	85	-	-	-	-	-	-
CARTER	15	15	-	7	-	-	-	-	-	-
CASCADE	852	733	1,523	1,203	3	3	14	8	-	-
CHOUTEAU	44	63	1	44	-	-	1	3	-	-
CUSTER	155	145	254	124	1	-	1	-	-	-
DANIELS	23	26	-	15	-	-	-	1	-	-
DAWSON	101	102	106	109	1	1	-	-	-	-
DEER LODGE	86	101	33	73	-	-	-	-	-	-
FALLON	35	49	-	47	-	-	-	1	-	-
FERGUS	151	162	97	98	-	-	-	-	-	-
FLATHEAD	772	739	1,249	1,214	5	5	2	5	-	-
GALLATIN	411	427	1,270	1,238	6	5	8	10	-	-
GARFIELD	9	14	-	9	-	1	-	-	-	-
GLACIER	103	126	213	241	-	-	-	1	-	-
GOLDEN VALLEY	4	17	-	7	-	-	-	-	-	-
GRANITE	17	15	-	23	-	-	-	-	-	-
HILL	139	152	387	267	2	1	-	-	-	-
JEFFERSON	53	76	2	93	-	-	-	1	-	-
JUDITH BASIN	11	17	-	14	-	-	-	-	-	-
LAKE	222	290	336	423	3	3	3	6	-	-
LEWIS & CLARK	524	509	794	729	-	-	2	4	-	-
LIBERTY	20	21	-	16	1	1	-	-	1	1
LINCOLN	196	234	108	160	-	-	1	2	-	-
MCCONE	20	24	-	15	-	-	-	-	-	-
MADISON	63	74	-	45	-	-	-	1	-	-
MEAGHER	20	23	-	24	-	-	-	-	-	-
MINERAL	43	45	-	38	-	-	-	-	-	-
MISSOULA	904	718	1,826	1,369	4	4	13	4	-	-
MUSSELSHELL	56	63	-	35	-	-	-	-	-	-
PARK	131	145	163	154	1	2	-	-	-	-
PETROLEUM	2	2	-	1	-	-	-	-	-	-
PHILLIPS	46	53	2	43	-	-	-	-	-	-
PONDERA	44	73	45	83	-	-	-	1	-	-
POWDER RIVER	18	20	-	15	-	-	-	-	-	-
POWELL	60	65	12	59	-	-	-	1	-	-
PRAIRIE	9	12	-	6	-	-	-	-	-	-
RAVALLI	292	362	186	402	1	1	5	7	-	-
RICHLAND	98	96	107	130	-	-	-	-	-	-
ROOSEVELT	89	106	77	217	-	1	-	-	-	-
ROSEBUD	45	67	6	185	-	2	-	-	-	-
SANDERS	97	111	56	125	-	-	-	-	-	-
SHERIDAN	52	60	18	24	-	-	1	-	-	-
SILVER BOW	421	405	475	388	-	-	-	-	1	1
STILLWATER	51	65	2	94	-	1	-	1	-	-
SWEET GRASS	36	40	-	36	-	-	-	-	-	-
TETON	50	63	3	59	-	-	1	3	-	-
TOOLE	46	49	29	47	1	1	-	-	-	-
TREASURE	5	5	-	5	-	-	-	-	-	-
VALLEY	69	81	161	75	1	-	-	-	-	-
WHEATLAND	20	24	-	18	-	1	-	-	-	-
WIBAUX	13	19	-	7	-	-	-	-	-	-
YELLOWSTONE	1,541	1,258	2,545	1,951	7	2	14	12	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-
-NOT STATED	-	2	10	3	-	-	-	-	-	-

TABLE S-3
FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL DEATH BY RACE* AND COUNTY OF RESIDENCE
MONTANA, 2007

COUNTY	Deaths				Births				Fetal Deaths			
	TOTAL	WHITE	**AI/AN	OTHER	TOTAL	WHITE	**AI/AN	OTHER	TOTAL	WHITE	**AI/AN	OTHER
MONTANA TOTAL	8,570	8,083	454	33	12,437	10,545	1,591	301	38	31	7	-
BEAVERHEAD	77	77	-	-	94	87	1	6	-	-	-	-
BIG HORN	122	53	69	-	281	37	243	1	2	-	2	-
BLAINE	63	36	27	-	123	35	86	2	1	1	-	-
BROADWATER	53	52	1	-	47	44	1	2	-	-	-	-
CARBON	92	90	1	1	85	83	1	1	-	-	-	-
CARTER	15	14	1	-	7	7	-	-	-	-	-	-
CASCADE	733	705	20	8	1,203	1,035	104	64	3	2	1	-
CHOUTEAU	63	59	4	-	44	42	2	-	-	-	-	-
CUSTER	145	143	1	1	124	122	2	-	-	-	-	-
DANIELS	26	26	-	-	15	14	-	1	-	-	-	-
DAWSON	102	101	-	1	109	101	7	1	1	1	-	-
DEER LODGE	101	101	-	-	73	68	1	4	-	-	-	-
FALLON	49	48	1	-	47	46	-	1	-	-	-	-
FERGUS	162	160	2	-	98	93	4	1	-	-	-	-
FLATHEAD	739	730	6	3	1,214	1,174	25	15	5	5	-	-
GALLATIN	427	424	2	1	1,238	1,179	25	34	5	5	-	-
GARFIELD	14	14	-	-	9	9	-	-	1	1	-	-
GLACIER	126	50	75	1	241	48	191	2	-	-	-	-
GOLDEN VALLEY	17	16	1	-	7	5	-	2	-	-	-	-
GRANITE	15	15	-	-	23	23	-	-	-	-	-	-
HILL	152	129	23	-	267	156	106	5	1	-	1	-
JEFFERSON	76	75	1	-	93	89	1	3	-	-	-	-
JUDITH BASIN	17	17	-	-	14	13	1	-	-	-	-	-
LAKE	290	237	52	1	423	247	160	16	3	2	1	-
LEWIS & CLARK	509	498	11	-	729	688	27	14	-	-	-	-
LIBERTY	21	21	-	-	16	16	-	-	1	1	-	-
LINCOLN	234	232	1	1	160	153	2	5	-	-	-	-
MCCONE	24	24	-	-	15	15	-	-	-	-	-	-
MADISON	74	74	-	-	45	45	-	-	-	-	-	-
MEAGHER	23	23	-	-	24	24	-	-	-	-	-	-
MINERAL	45	44	1	-	38	37	-	1	-	-	-	-
MISSOULA	718	705	11	2	1,369	1,243	86	40	4	4	-	-
MUSSELSHELL	63	63	-	-	35	35	-	-	-	-	-	-
PARK	145	142	2	1	154	151	-	3	2	2	-	-
PETROLEUM	2	2	-	-	1	1	-	-	-	-	-	-
PHILLIPS	53	43	10	-	43	38	5	-	-	-	-	-
PONDERA	73	62	11	-	83	56	26	1	-	-	-	-
POWDER RIVER	20	20	-	-	15	14	1	-	-	-	-	-
POWELL	65	65	-	-	59	58	1	-	-	-	-	-
PRAIRIE	12	12	-	-	6	5	1	-	-	-	-	-
RAVALLI	362	357	4	1	402	394	1	7	1	1	-	-
RICHLAND	96	93	2	1	130	124	3	3	-	-	-	-
ROOSEVELT	106	44	61	1	217	39	173	5	1	-	1	-
ROSEBUD	67	43	23	1	185	68	115	2	2	1	1	-
SANDERS	111	108	3	-	125	116	7	2	-	-	-	-
SHERIDAN	60	60	-	-	24	20	1	3	-	-	-	-
SILVER BOW	405	400	3	2	388	370	11	7	-	-	-	-
STILLWATER	65	64	1	-	94	91	2	1	1	1	-	-
SWEET GRASS	40	40	-	-	36	36	-	-	-	-	-	-
TETON	63	62	1	-	59	58	1	-	-	-	-	-
TOOLE	49	48	1	-	47	46	-	1	1	1	-	-
TREASURE	5	5	-	-	5	5	-	-	-	-	-	-
VALLEY	81	77	3	1	75	60	13	2	-	-	-	-
WHEATLAND	24	24	-	-	18	17	1	-	1	1	-	-
WIBAUX	19	19	-	-	7	7	-	-	-	-	-	-
YELLOWSTONE	1,258	1,236	17	5	1,951	1,757	153	41	2	2	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
-NOT STATED	2	1	1	-	3	1	-	2	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY RACE OF THE MOTHER.

** AMERICAN INDIAN OR ALASKA NATIVE

TABLE S-4
FREQUENCY OF FETAL, INFANT, AND CHILD* DEATH BY RACE
AND COUNTY OF RESIDENCE
MONTANA, 2007

COUNTY	Fetal Deaths				Infant Deaths				Child Deaths			
	TOTAL	WHITE	**AI/AN	OTHER	TOTAL	WHITE	**AI/AN	OTHER	TOTAL	WHITE	**AI/AN	OTHER
MONTANA TOTAL	38	31	7	-	76	61	13	2	59	45	13	1
BEAVERHEAD	-	-	-	-	-	-	-	-	-	-	-	-
BIG HORN	2	-	2	-	4	1	3	-	2	-	2	-
BLAINE	1	1	-	-	-	-	-	-	-	-	-	-
BROADWATER	-	-	-	-	-	-	-	-	-	-	-	-
CARBON	-	-	-	-	-	-	-	-	-	-	-	-
CARTER	-	-	-	-	-	-	-	-	-	-	-	-
CASCADE	3	2	1	-	8	5	1	2	4	4	-	-
CHOUTEAU	-	-	-	-	3	3	-	-	-	-	-	-
CUSTER	-	-	-	-	-	-	-	-	2	1	1	-
DANIELS	-	-	-	-	1	1	-	-	-	-	-	-
DAWSON	1	1	-	-	-	-	-	-	-	-	-	-
DEER LODGE	-	-	-	-	-	-	-	-	-	-	-	-
FALLON	-	-	-	-	1	1	-	-	-	-	-	-
FERGUS	-	-	-	-	-	-	-	-	-	-	-	-
FLATHEAD	5	5	-	-	5	5	-	-	10	10	-	-
GALLATIN	5	5	-	-	10	9	1	-	1	1	-	-
GARFIELD	1	1	-	-	-	-	-	-	-	-	-	-
GLACIER	-	-	-	-	1	-	1	-	2	-	2	-
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-
HILL	1	-	1	-	-	-	-	-	1	1	-	-
JEFFERSON	-	-	-	-	1	1	-	-	-	-	-	-
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	3	2	1	-	6	1	5	-	6	5	1	-
LEWIS & CLARK	-	-	-	-	4	4	-	-	1	1	-	-
LIBERTY	1	1	-	-	-	-	-	-	-	-	-	-
LINCOLN	-	-	-	-	2	2	-	-	1	1	-	-
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	-	1	1	-	-	-	-	-	-
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-
MINERAL	-	-	-	-	-	-	-	-	-	-	-	-
MISSOULA	4	4	-	-	4	3	1	-	8	6	2	-
MUSSELSHELL	-	-	-	-	-	-	-	-	-	-	-	-
PARK	2	2	-	-	-	-	-	-	1	1	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-
PONDERA	-	-	-	-	1	1	-	-	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-	-	1	1	-	-
POWELL	-	-	-	-	1	1	-	-	-	-	-	-
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	1	1	-	-	7	7	-	-	1	1	-	-
RICHLAND	-	-	-	-	-	-	-	-	-	-	-	-
ROOSEVELT	1	-	1	-	-	-	-	-	4	-	4	-
ROSEBUD	2	1	1	-	-	-	-	-	2	2	-	-
SANDERS	-	-	-	-	-	-	-	-	-	-	-	-
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW	-	-	-	-	-	-	-	-	2	2	-	-
STILLWATER	1	1	-	-	1	1	-	-	1	1	-	-
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-
TETON	-	-	-	-	3	3	-	-	1	1	-	-
TOOLE	1	1	-	-	-	-	-	-	1	1	-	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	-	-	-	-	-	1	-	1	-
WHEATLAND	1	1	-	-	-	-	-	-	1	1	-	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWSTONE	2	2	-	-	12	11	1	-	5	4	-	1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
-NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

*AGED 1-17 YEARS

** AMERICAN INDIAN OR ALASKA NATIVE

TABLE S-5
SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2007

ITEM		MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE		CHOUTEAU		CUSTER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	957,861	-	8,804	-	12,798	-	6,550	-	4,590	-	9,721	-	1,268	-	81,775	-	5,254	-	11,188	-
Natural Increase	Natural Increase	3,867	4.0	17	1.9	159	12.4	60	9.2	-6	1.3	-7	0.7	-8	6.3	470	5.7	-19	3.6	-21	1.9
Births - Residence	Live Births, Total	12,437	13.0	94	10.7	281	22.0	123	18.8	47	10.2	85	8.7	7	5.5	1,203	14.7	44	8.4	124	11.1
	Live Births, Male	6,366	13.3	55	12.2	150	23.7	68	21.0	23	9.8	46	9.4	5	8.0	644	15.9	23	8.7	66	12.0
	Live Births, Female	6,071	12.7	39	9.1	131	20.3	55	16.6	24	10.7	39	8.1	2	3.1	559	13.6	21	8.0	58	10.2
	Live Births, Out Of Wedlock	4,456	358.3	23	244.7	163	580.1	78	634.1	14	297.9	23	270.6	-	-	408	339.2	8	181.8	45	362.9
	Deaths (Excluding Fetal), Total	8,570	8.9	77	8.7	122	9.5	63	9.6	53	11.5	92	9.5	15	11.8	733	9.0	63	12.0	145	13.0
Deaths - Residence	Deaths (Excluding Fetal), Male	4,342	9.1	37	8.2	65	10.3	32	9.9	35	14.9	45	9.2	8	12.7	402	9.9	29	11.0	77	14.0
	Deaths (Excluding Fetal), Female	4,228	8.8	40	9.3	57	8.8	31	9.4	18	8.0	47	9.7	7	10.9	331	8.0	34	13.0	68	11.9
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	76	6.1	-	-	4	14.2	-	-	-	-	-	-	-	-	8	6.7	3	68.2	-	-
	Neonatal (Under 28 Days)	43	3.5	-	-	2	7.1	-	-	-	-	-	-	-	-	3	2.5	2	45.5	-	-
	Postneonatal (28 Days - 1 Year)	33	2.7	-	-	2	7.1	-	-	-	-	-	-	-	-	5	4.2	1	22.7	-	-
	Fetal	38	3.1	-	-	2	7.1	1	8.1	-	-	-	-	-	-	3	2.5	-	-	-	-
	Perinatal	81	6.5	-	-	4	14.2	1	8.1	-	-	-	-	-	-	6	5.0	2	45.5	-	-
Leading Causes of Death - Residence	(#) Malignant neoplasms	1,906	199.0	23	261.2	17	132.8	12	183.2	14	305.0	20	205.7	3	236.6	150	183.4	22	418.7	39	348.6
	# Diseases of heart	1,860	194.2	16	181.7	17	132.8	8	122.1	14	305.0	14	144.0	7	552.1	153	187.1	12	228.4	26	232.4
	(#) Chronic lower respiratory diseases	604	63.1	4	45.4	12	93.8	4	61.1	2	43.6	5	51.4	2	157.7	65	79.5	2	38.1	14	125.1
	(#) Accidents (unintentional injuries)	603	63.0	5	56.8	17	132.8	5	76.3	6	130.7	6	61.7	-	-	40	48.9	2	38.1	10	89.4
	(61#) Cerebrovascular diseases	437	45.6	3	34.1	5	39.1	3	45.8	-	-	5	51.4	-	-	42	51.4	3	57.1	14	125.1
	(48#) Alzheimer's disease	260	27.1	-	-	1	7.8	2	30.5	-	-	7	72.0	-	-	49	59.9	5	95.2	3	26.8
	(43#) Diabetes mellitus	258	26.9	4	45.4	6	46.9	2	30.5	2	43.6	3	30.9	-	-	25	30.6	1	19.0	3	26.8
	(#) Intentional self-harm (suicide)	192	20.0	2	22.7	2	15.6	-	-	1	21.8	2	20.6	1	78.9	10	12.2	2	38.1	5	44.7
	(#) Influenza and pneumonia	180	18.8	3	34.1	5	39.1	2	30.5	4	87.1	-	-	-	-	17	20.8	-	-	6	53.6
	(#) Chronic liver disease and cirrhosis	139	14.5	1	11.4	2	15.6	5	76.3	1	21.8	1	10.3	-	-	17	20.8	-	-	3	26.8
Abortion - Residence	Abortions	1,977	159.0	14	148.9	22	78.3	2	16.3	3	63.8	14	164.7	-	-	163	135.5	1	22.7	15	121.0
Births - Occurrence	Live Births, Total	12,401	12.9	85	9.7	217	17.0	-	-	1	0.2	2	0.2	-	-	1,523	18.6	1	0.2	254	22.7
Deaths - Occurrence	Deaths (Excluding Fetal), Total	8,608	9.0	87	9.9	86	6.7	37	5.6	46	10.0	68	7.0	15	11.8	852	10.4	44	8.4	155	13.9
	Accidental	633	66.1	8	90.9	18	140.6	6	91.6	9	196.1	5	51.4	2	157.7	38	46.5	3	57.1	10	89.4
	Motor Vehicle	293	30.6	2	22.7	11	86.0	4	61.1	4	87.1	4	41.1	-	-	19	23.2	2	38.1	7	62.6
	Other Accidental	340	35.5	6	68.2	7	54.7	2	30.5	5	108.9	1	10.3	2	157.7	19	23.2	1	19.0	3	26.8
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	68	5.5	-	-	2	9.2	-	-	-	-	-	-	-	-	14	9.2	1	0.0	1	3.9
Marriages - Occurrence	Marriages Solumnized	7,263	7.6	62	7.0	80	6.3	40	6.1	54	11.8	180	18.5	6	4.7	603	7.4	41	7.8	67	6.0
	Licenses Issued	7,263	7.6	58	6.6	84	6.6	39	6.0	38	8.3	129	13.3	4	3.2	627	7.7	32	6.1	66	5.9
Marital Terminations - Occurrence	Marital Terminations	4,720	4.9	27	3.1	20	1.6	6	0.9	13	2.8	15	1.5	0	0.0	906	11.1	7	1.3	52	4.6
Abortion - Occurrence	Abortions	2,238	180.5	-	-	-	-	-	-	-	-	-	-	-	-	96	63.0	-	-	-	-

* OUT OF WEDLOCK BIRTHS, INFANT DEATHS, FETAL DEATHS, AND ABORTIONS ARE PER 1,000 LIVE BIRTHS.** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE PER 100,000 ESTIMATED POPULATION.*** NATURAL INCREASE, LIVE BIRTHS, DEATHS, MARRIAGES, AND MARTIAL TERMINATIONS ARE PER 1,000 POPULATION.
- QUANTITY IS ZERO.
SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-10) CODES INCLUDED IN EACH CATEGORY.
LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
<http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/113causes.pdf>. THOSE MARKED WITH A "#" SIGN ARE RANKABLE AS LEADING CAUSES.
ABORTION DATA IS LIMITED TO ABORTIONS OCCURRING IN MONTANA.

TABLE S-5
SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2007

ITEM		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	1,650	-	8,558	-	8,852	-	2,696	-	11,181	-	86,844	-	87,359	-	1,215	-	13,382	-	1,125	-
Natural Increase	Natural Increase	-11	6.7	7	0.8	-28	3.2	-2	0.7	-64	5.7	475	5.5	811	9.3	-5	4.1	115	8.6	-10	8.9
Births - Residence	Live Births, Total	15	9.1	109	12.7	73	8.2	47	17.4	98	8.8	1,214	14.0	1,238	14.2	9	7.4	241	18.0	7	6.2
	Live Births, Male	7	8.6	59	13.8	39	8.7	19	14.2	52	9.5	620	14.3	616	13.5	6	9.4	123	18.7	4	6.9
	Live Births, Female	8	9.6	50	11.7	34	7.8	28	20.6	46	8.1	594	13.7	622	14.9	3	5.2	118	17.3	3	5.5
	Live Births, Out Of Wedlock	3	200.0	42	385.3	41	561.6	9	191.5	30	306.1	364	299.8	263	212.4	-	-	178	738.6	2	285.7
Deaths - Residence	Deaths (Excluding Fetal), Total	26	15.8	102	11.9	101	11.4	49	18.2	162	14.5	739	8.5	427	4.9	14	11.5	126	9.4	17	15.1
	Deaths (Excluding Fetal), Male	18	22.1	50	11.7	47	10.5	27	20.2	90	16.4	370	8.5	206	4.5	9	14.2	67	10.2	11	19.1
	Deaths (Excluding Fetal), Female	8	9.6	52	12.1	54	12.3	22	16.2	72	12.6	369	8.5	221	5.3	5	8.6	59	8.7	6	10.9
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	1	66.7	-	-	-	-	1	21.3	-	-	5	4.1	10	8.1	-	-	1	4.1	-	-
	Neonatal (Under 28 Days)	-	-	-	-	-	-	-	-	-	-	2	1.6	6	4.8	-	-	1	4.1	-	-
	Postneonatal (28 Days - 1 Year)	1	66.7	-	-	-	-	1	21.3	-	-	3	2.5	4	3.2	-	-	-	-	-	-
	Fetal	-	-	1	9.2	-	-	-	-	-	-	5	4.1	5	4.0	1	111.1	-	-	-	-
	Perinatal	-	-	1	9.2	-	-	-	-	-	-	7	5.8	11	8.9	1	111.1	1	4.1	-	-
Leading Causes of Death - Residence	(#) Malignant neoplasms	7	424.2	19	222.0	20	225.9	18	667.7	34	304.1	179	206.1	82	93.9	-	-	25	186.8	8	711.1
	_ # Diseases of heart	8	484.8	21	245.4	30	338.9	4	148.4	41	366.7	137	157.8	100	114.5	1	82.3	30	224.2	4	355.6
	(#) Chronic lower respiratory diseases	1	60.6	5	58.4	9	101.7	2	74.2	11	98.4	66	76.0	18	20.6	2	164.6	4	29.9	-	-
	(#) Accidents (unintentional injuries)	1	60.6	3	35.1	11	124.3	7	259.6	11	98.4	64	73.7	37	42.4	3	246.9	15	112.1	2	177.8
	_ (61#) Cerebrovascular diseases	1	60.6	8	93.5	3	33.9	2	74.2	9	80.5	37	42.6	24	27.5	-	-	3	22.4	-	-
	_ (48#) Alzheimer's disease	-	-	3	35.1	-	-	1	37.1	3	26.8	22	25.3	9	10.3	-	-	2	14.9	-	-
	_ (43#) Diabetes mellitus	1	60.6	4	46.7	2	22.6	-	-	2	17.9	15	17.3	10	11.4	2	164.6	3	22.4	1	88.9
	(#) Intentional self-harm (suicide)	1	60.6	1	11.7	2	22.6	-	-	4	35.8	16	18.4	19	21.7	-	-	6	44.8	1	88.9
	(#) Influenza and pneumonia	1	60.6	1	11.7	1	11.3	-	-	8	71.5	15	17.3	10	11.4	1	82.3	3	22.4	-	-
	(#) Chronic liver disease and cirrhosis	-	-	1	11.7	2	22.6	-	-	1	8.9	9	10.4	1	1.1	-	-	8	59.8	-	-
Abortion - Residence	Abortions	-	-	11	100.9	14	191.8	-	-	5	51.0	206	169.7	220	177.7	-	-	34	141.1	-	-
Births - Occurrence	Live Births, Total	-	-	106	12.4	33	3.7	-	-	97	8.7	1,249	14.4	1,270	14.5	-	-	213	15.9	-	-
Deaths - Occurrence	Deaths (Excluding Fetal), Total	23	13.9	101	11.8	86	9.7	35	13.0	151	13.5	772	8.9	411	4.7	9	7.4	103	7.7	4	3.6
	Accidental	1	60.6	2	23.4	11	124.3	2	74.2	7	62.6	71	81.8	34	38.9	3	246.9	13	97.1	1	88.9
	Motor Vehicle	-	-	2	23.4	2	22.6	1	37.1	2	17.9	32	36.8	14	16.0	2	164.6	7	52.3	1	88.9
	Other Accidental	1	60.6	0	0.0	9	101.7	1	37.1	5	44.7	39	44.9	20	22.9	1	82.3	6	44.8	0	0.0
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	-	-	-	-	-	-	-	-	-	-	2	1.6	8	6.3	-	-	-	-	-	-
Marriages - Occurrence	Marriages Solumnized	9	5.5	47	5.5	47	5.3	21	7.8	85	7.6	1,065	12.3	807	9.2	8	6.6	82	6.1	4	3.6
	Licenses Issued	9	5.5	51	6.0	37	4.2	23	8.5	79	7.1	1,101	12.7	867	9.9	8	6.6	73	5.5	-	-
Marital Terminations - Occurrence	Marital Terminations	1	0.6	10	1.2	23	2.6	7	2.6	43	3.8	413	4.8	266	3.0	3	2.5	43	3.2	1	0.9
Abortion - Occurrence	Abortions	-	-	-	-	-	-	-	-	-	-	203	162.5	-	-	-	-	-	-	-	-

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LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
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TABLE S-5
SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2007

ITEM		GRANITE		HILL		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE		MADISON	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	2,852	-	16,568	-	11,121	-	2,048	-	28,438	-	59,998	-	1,796	-	18,885	-	1,724	-	7,426	-
Natural Increase	Natural Increase	8	2.8	115	6.9	17	1.5	-3	1.5	133	4.7	220	3.7	-5	2.8	-74	3.9	-9	5.2	-29	3.9
Births - Residence	Live Births, Total	23	8.1	267	16.1	93	8.4	14	6.8	423	14.9	729	12.2	16	8.9	160	8.5	15	8.7	45	6.1
	Live Births, Male	12	8.2	128	15.3	56	10.0	7	6.6	221	15.8	369	12.5	9	10.2	81	8.5	7	7.9	29	7.7
	Live Births, Female	11	7.9	139	17.0	37	6.7	7	7.1	202	13.9	360	11.8	7	7.7	79	8.4	8	9.5	16	4.4
	Live Births, Out Of Wedlock	2	87.0	132	494.4	28	301.1	4	285.7	216	510.6	219	300.4	2	125.0	58	362.5	1	66.7	8	177.8
Deaths - Residence	Deaths (Excluding Fetal), Total	15	5.3	152	9.2	76	6.8	17	8.3	290	10.2	509	8.5	21	11.7	234	12.4	24	13.9	74	10.0
	Deaths (Excluding Fetal), Male	10	6.8	72	8.6	43	7.7	10	9.4	140	10.0	219	7.4	7	7.9	131	13.7	13	14.8	46	12.2
	Deaths (Excluding Fetal), Female	5	3.6	80	9.8	33	6.0	7	7.1	150	10.3	290	9.5	14	15.4	103	11.0	11	13.0	28	7.7
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	-	-	-	-	1	10.8	-	-	6	14.2	4	5.5	-	-	2	12.5	-	-	1	22.2
	Neonatal (Under 28 Days)	-	-	-	-	1	10.8	-	-	5	11.8	1	1.4	-	-	1	6.3	-	-	-	-
	Postneonatal (28 Days - 1 Year)	-	-	-	-	-	-	-	-	1	2.4	3	4.1	-	-	1	6.3	-	-	1	22.2
	Fetal	-	-	1	3.7	-	-	-	-	3	7.1	-	-	1	62.5	-	-	-	-	-	-
	Perinatal	-	-	1	3.7	1	10.8	-	-	8	18.9	1	1.4	1	62.5	1	6.3	-	-	-	-
Leading Causes of Death - Residence	(#) Malignant neoplasms	3	105.2	32	193.1	29	260.8	2	97.7	63	221.5	123	205.0	3	167.0	70	370.7	6	348.0	23	309.7
	# Diseases of heart	2	70.1	36	217.3	9	80.9	4	195.3	56	196.9	113	188.3	5	278.4	54	285.9	11	638.1	13	175.1
	(#) Chronic lower respiratory diseases	3	105.2	8	48.3	-	-	2	97.7	22	77.4	36	60.0	-	-	21	111.2	-	-	7	94.3
	(#) Accidents (unintentional injuries)	-	-	20	120.7	11	98.9	4	195.3	31	109.0	29	48.3	2	111.4	18	95.3	1	58.0	5	67.3
	(61#) Cerebrovascular diseases	1	35.1	7	42.3	4	36.0	1	48.8	15	52.7	21	35.0	2	111.4	17	90.0	1	58.0	2	26.9
	(48#) Alzheimer's disease	-	-	4	24.1	3	27.0	1	48.8	8	28.1	13	21.7	2	111.4	2	10.6	-	-	1	13.5
	(43#) Diabetes mellitus	-	-	2	12.1	4	36.0	-	-	9	31.6	9	15.0	1	55.7	10	53.0	1	58.0	2	26.9
	(#) Intentional self-harm (suicide)	1	35.1	5	30.2	1	9.0	-	-	6	21.1	12	20.0	-	-	3	15.9	1	58.0	1	13.5
	(#) Influenza and pneumonia	-	-	3	18.1	-	-	1	48.8	5	17.6	12	20.0	2	111.4	2	10.6	-	-	2	26.9
	(#) Chronic liver disease and cirrhosis	2	70.1	3	18.1	1	9.0	1	48.8	4	14.1	6	10.0	1	55.7	3	15.9	-	-	-	-
Abortion - Residence	Abortions	2	87.0	21	78.7	15	161.3	-	-	40	94.6	152	208.5	2	125.0	11	68.8	-	-	7	155.6
Births - Occurrence	Live Births, Total	-	-	387	23.4	2	0.2	-	-	336	11.8	794	13.2	-	-	108	5.7	-	-	-	-
Deaths - Occurrence	Deaths (Excluding Fetal), Total	17	6.0	139	8.4	53	4.8	11	5.4	222	7.8	524	8.7	20	11.1	196	10.4	20	11.6	63	8.5
	Accidental	2	70.1	15	90.5	9	80.9	5	244.1	21	73.8	30	50.0	2	111.4	10	53.0	1	58.0	6	80.8
	Motor Vehicle	2	70.1	5	30.2	7	62.9	4	195.3	9	31.6	12	20.0	-	-	4	21.2	-	-	3	40.4
	Other Accidental	0	0.0	10	60.4	2	18.0	1	48.8	12	42.2	18	30.0	2	111.4	6	31.8	1	58.0	3	40.4
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	-	-	-	-	-	-	-	-	3	8.9	2	2.5	-	-	1	9.3	-	-	-	-
Marriages - Occurrence	Marriages Solumnized	22	7.7	110	6.6	60	5.4	10	4.9	176	6.2	448	7.5	9	5.0	139	7.4	8	4.6	89	12.0
	Licenses Issued	17	6.0	115	6.9	31	2.8	5	2.4	110	3.9	496	8.3	8	4.5	97	5.1	9	5.2	65	8.8
Marital Terminations - Occurrence	Marital Terminations	5	1.8	55	3.3	17	1.5	4	2.0	100	3.5	696	11.6	2	1.1	66	3.5	4	2.3	21	2.8
Abortion - Occurrence	Abortions	-	-	-	-	-	-	-	-	-	-	275	346.3	-	-	-	-	-	-	-	-

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TABLE S-5
SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2007

ITEM		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM		PHILLIPS		PONDERA		POWDER RIVER		POWELL	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	1,900	-	3,895	-	105,650	-	4,494	-	16,099	-	438	-	3,948	-	5,943	-	1,699	-	7,118	-
Natural Increase	Natural Increase	1	0.5	-7	1.8	651	6.2	-28	6.2	9	0.6	-1	2.3	-10	2.5	10	1.7	-5	2.9	-6	0.8
Births - Residence	Live Births, Total	24	12.6	38	9.8	1,369	13.0	35	7.8	154	9.6	1	2.3	43	10.9	83	14.0	15	8.8	59	8.3
	Live Births, Male	11	11.5	20	10.1	709	13.3	17	7.7	81	10.1	1	4.5	17	8.6	39	13.3	2	2.4	29	6.7
	Live Births, Female	13	13.7	18	9.4	660	12.6	18	7.8	73	9.0	-	-	26	13.2	44	14.6	13	15.1	30	10.8
	Live Births, Out Of Wedlock	6	250.0	15	394.7	472	344.8	11	314.3	40	259.7	-	-	12	279.1	34	409.6	2	133.3	31	525.4
Deaths - Residence	Deaths (Excluding Fetal), Total	23	12.1	45	11.6	718	6.8	63	14.0	145	9.0	2	4.6	53	13.4	73	12.3	20	11.8	65	9.1
	Deaths (Excluding Fetal), Male	13	13.6	27	13.6	348	6.5	38	17.3	75	9.3	2	8.9	28	14.2	38	12.9	11	13.2	34	7.8
	Deaths (Excluding Fetal), Female	10	10.6	18	9.4	370	7.1	25	10.9	70	8.7	-	-	25	12.7	35	11.7	9	10.4	31	11.2
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	-	-	-	-	4	2.9	-	-	-	-	-	-	-	-	1	12.0	-	-	1	16.9
	Neonatal (Under 28 Days)	-	-	-	-	1	0.7	-	-	-	-	-	-	-	-	1	12.0	-	-	1	16.9
	Postneonatal (28 Days - 1 Year)	-	-	-	-	3	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fetal	-	-	-	-	4	2.9	-	-	2	13.0	-	-	-	-	-	-	-	-	-	-
	Perinatal	-	-	-	-	5	3.7	-	-	2	13.0	-	-	-	-	1	12.0	-	-	1	16.9
Leading Causes of Death - Residence	(#) Malignant neoplasms	5	263.2	11	282.4	155	146.7	15	333.8	26	161.5	1	228.3	12	304.0	19	319.7	7	412.0	17	238.8
	# Diseases of heart	7	368.4	12	308.1	157	148.6	15	333.8	37	229.8	-	-	14	354.6	6	101.0	3	176.6	17	238.8
	(#) Chronic lower respiratory diseases	1	52.6	6	154.0	47	44.5	8	178.0	9	55.9	-	-	7	177.3	6	101.0	1	58.9	5	70.2
	(#) Accidents (unintentional injuries)	-	-	4	102.7	47	44.5	3	66.8	9	55.9	-	-	2	50.7	7	117.8	-	-	2	28.1
	(61#) Cerebrovascular diseases	1	52.6	1	25.7	31	29.3	3	66.8	3	18.6	-	-	2	50.7	4	67.3	2	117.7	4	56.2
	(48#) Alzheimer's disease	-	-	1	25.7	24	22.7	-	-	5	31.1	-	-	1	25.3	3	50.5	-	-	1	14.0
	(43#) Diabetes mellitus	1	52.6	-	-	26	24.6	4	89.0	8	49.7	1	228.3	2	50.7	4	67.3	1	58.9	3	42.1
	(#) Intentional self-harm (suicide)	2	105.3	-	-	24	22.7	-	-	6	37.3	-	-	1	25.3	-	-	1	58.9	1	14.0
	(#) Influenza and pneumonia	-	-	1	25.7	13	12.3	-	-	5	31.1	-	-	1	25.3	3	50.5	1	58.9	-	-
	(#) Chronic liver disease and cirrhosis	1	52.6	1	25.7	8	7.6	-	-	5	31.1	-	-	1	25.3	-	-	-	-	1	14.0
Abortion - Residence	Abortions	3	125.0	7	184.2	371	271.0	6	171.4	20	129.9	-	-	1	23.3	7	84.3	3	200.0	7	118.6
Births - Occurrence	Live Births, Total	-	-	-	-	1,826	17.3	-	-	163	10.1	-	-	2	0.5	45	7.6	-	-	12	1.7
Deaths - Occurrence	Deaths (Excluding Fetal), Total	20	10.5	43	11.0	904	8.6	56	12.5	131	8.1	2	4.6	46	11.7	44	7.4	18	10.6	60	8.4
	Accidental	2	105.3	9	231.1	78	73.8	5	111.3	9	55.9	2	456.6	4	101.3	3	50.5	2	117.7	6	84.3
	Motor Vehicle	1	52.6	7	179.7	36	34.1	5	111.3	5	31.1	2	456.6	4	101.3	-	-	2	117.7	5	70.2
	Other Accidental	1	52.6	2	51.3	42	39.8	0	0.0	4	24.8	0	0.0	0	0.0	3	50.5	0	0.0	1	14.0
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	-	-	-	-	13	7.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marriages - Occurrence	Marriages Solumnized	15	7.9	44	11.3	683	6.5	32	7.1	159	9.9	2	4.6	27	6.8	40	6.7	4	2.4	36	5.1
	Licenses Issued	14	7.4	35	9.0	821	7.8	33	7.3	116	7.2	2	4.6	20	5.1	34	5.7	6	3.5	32	4.5
Marital Terminations - Occurrence	Marital Terminations	3	1.6	15	3.9	478	4.5	16	3.6	99	6.1	3	6.8	5	1.3	19	3.2	5	2.9	14	2.0
Abortion - Occurrence	Abortions	-	-	-	-	720	394.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE S-5
SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2007

ITEM		PRAIRIE		RAVALLI		RICHLAND		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	1,044	-	40,396	-	9,182	-	10,148	-	9,182	-	11,033	-	3,373	-	32,652	-	8,660	-	3,807	-
Natural Increase	Natural Increase	-6	5.7	40	1.0	34	3.7	111	10.9	118	12.9	14	1.3	-36	10.7	-17	0.5	29	3.3	-4	1.1
Births - Residence	Live Births, Total	6	5.7	402	10.0	130	14.2	217	21.4	185	20.1	125	11.3	24	7.1	388	11.9	94	10.9	36	9.5
	Live Births, Male	2	3.8	204	10.1	65	14.2	110	21.8	100	21.8	65	11.8	11	6.6	203	12.5	54	12.1	20	10.3
	Live Births, Female	4	7.8	198	9.8	65	14.1	107	21.0	85	18.5	60	10.9	13	7.6	185	11.3	40	9.5	16	8.6
	Live Births, Out Of Wedlock	2	333.3	108	268.7	41	315.4	169	778.8	106	573.0	41	328.0	7	291.7	174	448.5	16	170.2	7	194.4
Deaths - Residence	Deaths (Excluding Fetal), Total	12	11.5	362	9.0	96	10.5	106	10.4	67	7.3	111	10.1	60	17.8	405	12.4	65	7.5	40	10.5
	Deaths (Excluding Fetal), Male	7	13.2	194	9.6	40	8.7	65	12.9	30	6.5	51	9.2	34	20.4	206	12.7	34	7.6	17	8.7
	Deaths (Excluding Fetal), Female	5	9.8	168	8.3	56	12.2	41	8.0	37	8.1	60	10.9	26	15.2	199	12.1	31	7.4	23	12.3
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	-	-	7	17.4	-	-	-	-	-	-	-	-	-	-	-	-	1	10.6	-	-
	Neonatal (Under 28 Days)	-	-	3	7.5	-	-	-	-	-	-	-	-	-	-	-	-	1	10.6	-	-
	Postneonatal (28 Days - 1 Year)	-	-	4	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fetal	-	-	1	2.5	-	-	1	4.6	2	10.8	-	-	-	-	-	-	1	10.6	-	-
	Perinatal	-	-	4	10.0	-	-	1	4.6	2	10.8	-	-	-	-	-	-	2	21.3	-	-
Leading Causes of Death - Residence	(#) Malignant neoplasms	3	287.4	88	217.8	19	206.9	17	167.5	17	185.1	25	226.6	17	504.0	75	229.7	12	138.6	8	210.1
	# Diseases of heart	2	191.6	65	160.9	20	217.8	19	187.2	13	141.6	24	217.5	17	504.0	117	358.3	16	184.8	11	288.9
	(#) Chronic lower respiratory diseases	1	95.8	17	42.1	4	43.6	6	59.1	1	10.9	7	63.4	2	59.3	35	107.2	1	11.5	3	78.8
	(#) Accidents (unintentional injuries)	2	191.6	28	69.3	8	87.1	12	118.2	10	108.9	5	45.3	4	118.6	19	58.2	8	92.4	2	52.5
	(61#) Cerebrovascular diseases	-	-	15	37.1	5	54.5	7	69.0	4	43.6	9	81.6	-	-	16	49.0	6	69.3	1	26.3
	(48#) Alzheimer's disease	-	-	16	39.6	2	21.8	4	39.4	-	-	2	18.1	3	88.9	11	33.7	3	34.6	-	-
	(43#) Diabetes mellitus	-	-	6	14.9	2	21.8	8	78.8	1	10.9	6	54.4	-	-	11	33.7	2	23.1	5	131.3
	(#) Intentional self-harm (suicide)	-	-	6	14.9	-	-	1	9.9	4	43.6	2	18.1	-	-	8	24.5	1	11.5	1	26.3
	(#) Influenza and pneumonia	2	191.6	6	14.9	3	32.7	2	19.7	4	43.6	1	9.1	6	177.9	2	6.1	1	11.5	3	78.8
	(#) Chronic liver disease and cirrhosis	-	-	7	17.3	1	10.9	10	98.5	1	10.9	1	9.1	-	-	6	18.4	1	11.5	1	26.3
Abortion - Residence	Abortions	-	-	58	144.3	3	23.1	9	41.5	8	43.2	10	80.0	2	83.3	49	126.3	6	63.8	2	55.6
Births - Occurrence	Live Births, Total	-	-	186	4.6	107	11.7	77	7.6	6	0.7	56	5.1	18	5.3	475	14.5	2	0.2	-	-
Deaths - Occurrence	Deaths (Excluding Fetal), Total	9	8.6	292	7.2	98	10.7	89	8.8	45	4.9	97	8.8	52	15.4	421	12.9	51	5.9	36	9.5
	Accidental	3	287.4	18	44.6	15	163.4	8	78.8	6	65.3	10	90.6	2	59.3	15	45.9	6	69.3	3	78.8
	Motor Vehicle	1	95.8	7	17.3	5	54.5	5	49.3	3	32.7	5	45.3	1	29.6	4	12.3	4	46.2	3	78.8
	Other Accidental	2	191.6	11	27.2	10	108.9	3	29.6	3	32.7	5	45.3	1	29.6	11	33.7	2	23.1	0	0.0
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	-	-	5	26.9	-	-	-	-	-	-	-	-	1	55.6	-	-	-	-	-	-
Marriages - Occurrence	Marriages Solumnized	3	2.9	250	6.2	70	7.6	65	6.4	36	3.9	75	6.8	13	3.9	203	6.2	53	6.1	32	8.4
	Licenses Issued	3	2.9	202	5.0	79	8.6	62	6.1	31	3.4	67	6.1	9	2.7	219	6.7	58	6.7	27	7.1
Marital Terminations - Occurrence	Marital Terminations	0	0.0	159	3.9	32	3.5	12	1.2	20	2.2	38	3.4	11	3.3	184	5.6	15	1.7	13	3.4
Abortion - Occurrence	Abortions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* OUT OF WEDLOCK BIRTHS, INFANT DEATHS, FETAL DEATHS, AND ABORTIONS ARE PER 1,000 LIVE BIRTHS.** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE PER 100,000 ESTIMATED POPULATION.*** NATURAL INCREASE, LIVE BIRTHS, DEATHS, MARRIAGES, AND MARTIAL TERMINATIONS ARE PER 1,000 POPULATION.
- QUANTITY IS ZERO.
SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-10) CODES INCLUDED IN EACH CATEGORY.
LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
<http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/113causes.pdf>. THOSE MARKED WITH A "#" SIGN ARE RANKABLE AS LEADING CAUSES.
ABORTION DATA IS LIMITED TO ABORTIONS OCCURRING IN MONTANA.

TABLE S-5
SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2007

ITEM		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE		~NOT STATED	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	6,023	-	5,144	-	651	-	6,899	-	1,983	-	898	-	139,936	-	-	-
Natural Increase	Natural Increase	-4	0.7	-2	0.4	0	0.0	-6	0.9	-6	3.0	-12	13.4	693	5.0	1	-
Births - Residence	Live Births, Total	59	9.8	47	9.1	5	7.7	75	10.9	18	9.1	7	7.8	1,951	13.9	3	-
	Live Births, Male	29	9.7	21	7.6	3	9.0	35	10.3	12	12.2	4	9.3	958	14.0	-	-
	Live Births, Female	30	9.9	26	10.9	2	6.3	40	11.4	6	6.0	3	6.4	993	13.9	3	-
	Live Births, Out Of Wedlock	11	186.4	17	361.7	2	400.0	29	386.7	5	277.8	2	285.7	731	374.7	1	333.3
Deaths - Residence	Deaths (Excluding Fetal), Total	63	10.5	49	9.5	5	7.7	81	11.7	24	12.1	19	21.2	1,258	9.0	2	-
	Deaths (Excluding Fetal), Male	36	12.0	28	10.2	4	12.0	37	10.9	11	11.1	10	23.2	606	8.8	2	-
	Deaths (Excluding Fetal), Female	27	8.9	21	8.8	1	3.2	44	12.5	13	13.1	9	19.3	652	9.1	-	-
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	3	50.8	-	-	-	-	-	-	-	-	-	-	12	6.2	-	-
	Neonatal (Under 28 Days)	3	50.8	-	-	-	-	-	-	-	-	-	-	9	4.6	-	-
	Postneonatal (28 Days - 1 Year)	-	-	-	-	-	-	-	-	-	-	-	-	3	1.5	-	-
	Fetal	-	-	1	21.3	-	-	-	-	1	55.6	-	-	2	1.0	-	-
	Perinatal	3	50.8	1	21.3	-	-	-	-	1	55.6	-	-	11	5.6	-	-
Leading Causes of Death - Residence	(#) Malignant neoplasms	9	149.4	7	136.1	2	307.2	14	202.9	5	252.1	4	445.4	270	192.9	-	-
	_ # Diseases of heart	13	215.8	12	233.3	-	-	22	318.9	7	353.0	4	445.4	283	202.2	1	-
	(#) Chronic lower respiratory diseases	4	66.4	4	77.8	-	-	7	101.5	2	100.9	1	111.4	92	65.7	-	-
	(#) Accidents (unintentional injuries)	5	83.0	2	38.9	-	-	4	58.0	2	100.9	-	-	52	37.2	-	-
	_ (61#) Cerebrovascular diseases	4	66.4	2	38.9	-	-	5	72.5	1	50.4	2	222.7	76	54.3	-	-
	_ (48#) Alzheimer's disease	1	16.6	-	-	-	-	5	72.5	-	-	1	111.4	36	25.7	-	-
	_ (43#) Diabetes mellitus	3	49.8	2	38.9	-	-	4	58.0	1	50.4	1	111.4	32	22.9	-	-
	(#) Intentional self-harm (suicide)	2	33.2	1	19.4	1	153.6	1	14.5	-	-	-	-	23	16.4	1	-
	(#) Influenza and pneumonia	-	-	2	38.9	-	-	1	14.5	-	-	2	222.7	17	12.1	-	-
	(#) Chronic liver disease and cirrhosis	-	-	-	-	-	-	1	14.5	-	-	-	-	20	14.3	-	-
Abortion - Residence	Abortions	2	33.9	4	85.1	-	-	4	53.3	1	55.6	1	142.9	374	191.7	45	0.0
Births - Occurrence	Live Births, Total	3	0.5	29	5.6	-	-	161	23.3	-	-	-	-	2,545	18.2	10	-
Deaths - Occurrence	Deaths (Excluding Fetal), Total	50	8.3	46	8.9	5	7.7	69	10.0	20	10.1	13	14.5	1,541	11.0	-	-
	Accidental	6	99.6	1	19.4	1	153.6	4	58.0	1	50.4	-	-	69	49.3	-	-
	Motor Vehicle	2	33.2	1	19.4	1	153.6	2	29.0	1	50.4	-	-	19	13.6	-	-
	Other Accidental	4	66.4	0	0.0	0	0.0	2	29.0	0	0.0	-	-	50	35.7	-	-
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	1	333.3	-	-	-	-	-	-	-	-	-	-	14	5.5	-	-
Marriages - Occurrence	Marriages Solumnized	36	6.0	40	7.8	4	6.1	41	5.9	13	6.6	4	4.5	901	6.4	3	-
	Licenses Issued	36	6.0	38	7.4	7	10.8	36	5.2	11	5.5	5	5.6	982	7.0	-	-
Marital Terminations - Occurrence	Marital Terminations	16	2.7	15	2.9	0	0.0	18	2.6	3	1.5	1	1.1	700	5.0	-	-
Abortion - Occurrence	Abortions	-	-	-	-	-	-	-	-	-	-	-	-	943	370.5	1	100.0

* OUT OF WEDLOCK BIRTHS, INFANT DEATHS, FETAL DEATHS, AND ABORTIONS ARE PER 1,000 LIVE BIRTHS.** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE PER 100,000 ESTIMATED POPULATION.*** NATURAL INCREASE, LIVE BIRTHS, DEATHS, MARRIAGES, AND MARTIAL TERMINATIONS ARE PER 1,000 POPULATION.
- QUANTITY IS ZERO.
SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-10) CODES INCLUDED IN EACH CATEGORY.
LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
<http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/113causes.pdf>. THOSE MARKED WITH A "#" SIGN ARE RANKABLE AS LEADING CAUSES.
ABORTION DATA IS LIMITED TO ABORTIONS OCCURRING IN MONTANA.

TABLE S-6

**FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2007**

COUNTY OF RESIDENCE			TOTAL	AGE									
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
MONTANA, TOTAL	Live Births	NUMBER	12,437	7	343	857	3,486	3,756	2,555	1,172	245	16	-
		RATE+	68.6	-	16.8	70.4	109.5	120.2	99.6	41.8	7.7	-	-
	Fetal Deaths	NUMBER	38	-	4	2	4	12	7	6	2	1	-
		RATE+	0.2	-	0.2	0.2	0.1	0.4	0.3	0.2	0.1	-	-
	Induced Abortions	NUMBER	1,977	6	133	235	732	423	224	161	60	3	-
		RATE+	10.9	-	6.5	19.3	23.0	13.5	8.7	5.7	1.9	-	-
BEAVERHEAD	Live Births	NUMBER	94	-	3	3	34	26	24	4	-	-	-
		RATE+	57.0	-	15.3	12.0	88.1	179.3	117.1	18.4	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	14	-	-	1	4	4	1	2	2	-	-
		RATE+	8.5	-	-	4.0	10.4	27.6	4.9	9.2	8.0	-	-
BIG HORN	Live Births	NUMBER	281	-	10	41	92	64	46	24	4	-	-
		RATE+	109.7	-	26.6	241.2	225.5	160.8	136.5	59.3	8.6	-	-
	Fetal Deaths	NUMBER	2	-	1	-	-	-	1	-	-	-	-
		RATE+	0.8	-	2.7	-	-	-	3.0	-	-	-	-
	Induced Abortions	NUMBER	22	-	-	3	11	3	3	1	1	-	-
		RATE+	8.6	-	-	17.6	27.0	7.5	8.9	2.5	2.1	-	-
BLAINE	Live Births	NUMBER	123	-	9	14	38	35	13	11	3	-	-
		RATE+	106.3	-	52.9	147.4	189.1	210.8	99.2	65.9	13.2	-	-
	Fetal Deaths	NUMBER	1	-	1	-	-	-	-	-	-	-	-
		RATE+	0.9	-	5.9	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	2	-	-	1	1	-	-	-	-	-	-
		RATE+	1.7	-	-	10.5	5.0	-	-	-	-	-	-
BROADWATER	Live Births	NUMBER	47	-	2	5	13	17	7	3	-	-	-
		RATE+	61.6	-	17.7	104.2	109.2	175.3	70.7	25.0	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	3	-	-	-	1	2	-	-	-	-	-
		RATE+	3.9	-	-	-	8.4	20.6	-	-	-	-	-
CARBON	Live Births	NUMBER	85	-	2	4	20	30	20	6	3	-	-
		RATE+	53.2	-	10.9	44.4	75.8	125.5	91.3	23.7	8.6	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	14	-	2	-	6	1	5	-	-	-	-
		RATE+	8.8	-	10.9	-	22.7	4.2	22.8	-	-	-	-
CARTER	Live Births	NUMBER	7	-	-	-	2	2	-	3	-	-	-
		RATE+	33.2	-	-	-	57.1	76.9	-	107.1	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
CASCADE	Live Births	NUMBER	1,203	1	31	95	431	356	190	81	16	2	-
		RATE+	81.2	-	16.7	108.4	211.3	141.9	84.6	33.8	5.5	-	-
	Fetal Deaths	NUMBER	3	-	-	-	-	1	-	1	-	1	-
		RATE+	0.2	-	-	-	-	0.4	-	0.4	-	-	-
	Induced Abortions	NUMBER	163	-	11	23	72	32	14	7	4	-	-
		RATE+	11.0	-	5.9	26.3	35.3	12.8	6.2	2.9	1.4	-	-
CHOUTEAU	Live Births	NUMBER	44	-	-	3	9	16	11	5	-	-	-
		RATE+	50.9	-	-	39.0	60.4	144.1	117.0	37.3	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	-	1	-	-	-	-	-	-	-
		RATE+	1.2	-	-	13.0	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP

- FREQUENCY IS ZERO OR RATE IS NOT CALCULATED

FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE S-6

**FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2007**

COUNTY OF RESIDENCE			TOTAL	AGE										45 AND OVER	NOT STATED
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44				
CUSTER	Live Births	NUMBER	124	1	1	14	36	44	20	5	2	1	-		
		RATE+	62.2	-	4.0	100.7	107.1	130.6	82.3	14.4	5.9	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	15	-	2	1	5	2	3	2	-	-	-		
		RATE+	7.5	-	8.0	7.2	14.9	5.9	12.3	5.8	-	-	-		
DANIELS	Live Births	NUMBER	15	-	-	-	4	4	5	1	1	-	-		
		RATE+	69.4	-	-	-	70.2	400.0	263.2	24.4	25.0	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
DAWSON	Live Births	NUMBER	109	-	1	13	34	37	20	3	1	-	-		
		RATE+	76.1	-	5.7	97.0	127.3	180.5	110.5	15.2	3.7	-	-		
	Fetal Deaths	NUMBER	1	-	-	1	-	-	-	-	-	-	-		
		RATE+	0.7	-	-	7.5	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	11	-	-	2	5	3	1	-	-	-	-		
		RATE+	7.7	-	-	14.9	18.7	14.6	5.5	-	-	-	-		
DEER LODGE	Live Births	NUMBER	73	-	3	6	16	24	11	10	3	-	-		
		RATE+	48.9	-	17.3	69.8	64.8	86.0	51.9	44.8	10.9	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	14	-	1	2	4	3	1	3	-	-	-		
		RATE+	9.4	-	5.8	23.3	16.2	10.8	4.7	13.5	-	-	-		
FALLON	Live Births	NUMBER	47	-	3	3	9	19	9	4	-	-	-		
		RATE+	111.1	-	61.2	115.4	125.0	234.6	157.9	70.2	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
FERGUS	Live Births	NUMBER	98	-	-	2	31	19	28	16	2	-	-		
		RATE+	55.9	-	-	20.8	106.9	60.3	145.1	55.0	6.2	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	5	-	1	-	-	2	-	1	1	-	-		
		RATE+	2.9	-	4.1	-	-	6.3	-	3.4	3.1	-	-		
FLATHEAD	Live Births	NUMBER	1,214	1	27	81	347	375	233	115	33	2	-		
		RATE+	74.3	-	14.5	92.4	145.6	115.5	95.8	44.8	11.1	-	-		
	Fetal Deaths	NUMBER	5	-	1	-	2	-	1	1	-	-	-		
		RATE+	0.3	-	0.5	-	0.8	-	0.4	0.4	-	-	-		
	Induced Abortions	NUMBER	206	2	15	28	66	42	21	25	7	-	-		
		RATE+	12.6	-	8.1	31.9	27.7	12.9	8.6	9.7	2.4	-	-		
GALLATIN	Live Births	NUMBER	1,238	-	18	31	240	390	359	171	27	2	-		
		RATE+	63.0	-	12.1	18.8	55.0	105.0	117.9	62.0	10.3	-	-		
	Fetal Deaths	NUMBER	5	-	-	-	1	2	1	1	-	-	-		
		RATE+	0.3	-	-	-	0.2	0.5	0.3	0.4	-	-	-		
	Induced Abortions	NUMBER	220	1	8	17	82	46	30	21	14	1	-		
		RATE+	11.2	-	5.4	10.3	18.8	12.4	9.9	7.6	5.3	-	-		
GARFIELD	Live Births	NUMBER	9	-	-	-	-	4	4	1	-	-	-		
		RATE+	52.6	-	-	-	-	153.8	222.2	35.7	-	-	-		
	Fetal Deaths	NUMBER	1	-	-	-	-	-	-	-	1	-	-		
		RATE+	5.8	-	-	-	-	-	-	-	25.6	-	-		
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP

- FREQUENCY IS ZERO OR RATE IS NOT CALCULATED

FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE S-6

**FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2007**

COUNTY OF RESIDENCE			TOTAL	AGE										45 AND OVER	NOT STATED
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44				
GLACIER	Live Births	NUMBER	241	2	17	25	81	61	31	18	6	-	-		
		RATE+	89.1	-	43.5	119.6	151.7	160.1	90.1	47.9	12.8	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	34	-	5	5	14	3	6	-	1	-	-		
		RATE+	12.6	-	12.8	23.9	26.2	7.9	17.4	-	2.1	-	-		
GOLDEN VALLEY	Live Births	NUMBER	7	-	-	-	3	4	-	-	-	-			
		RATE+	34.3	-	-	-	78.9	125.0	-	-	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
GRANITE	Live Births	NUMBER	23	-	-	3	5	4	7	3	1	-	-		
		RATE+	50.3	-	-	136.4	74.6	47.1	92.1	41.1	11.9	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	2	-	-	-	1	-	-	1	-	-	-		
		RATE+	4.4	-	-	-	14.9	-	-	13.7	-	-	-		
HILL	Live Births	NUMBER	267	-	13	25	88	74	47	18	2	-	-		
		RATE+	85.5	-	32.2	88.0	126.3	157.4	122.1	42.6	4.4	-	-		
	Fetal Deaths	NUMBER	1	-	-	-	-	1	-	-	-	-	-		
		RATE+	0.3	-	-	-	-	2.1	-	-	-	-	-		
	Induced Abortions	NUMBER	21	-	1	3	11	3	2	1	-	-	-		
		RATE+	6.7	-	2.5	10.6	15.8	6.4	5.2	2.4	-	-	-		
JEFFERSON	Live Births	NUMBER	93	-	5	11	16	23	22	12	4	-	-		
		RATE+	47.4	-	17.5	80.3	47.1	76.2	106.8	41.4	10.0	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	15	-	1	1	6	2	1	4	-	-	-		
		RATE+	7.7	-	3.5	7.3	17.6	6.6	4.9	13.8	-	-	-		
JUDITH BASIN	Live Births	NUMBER	14	-	1	-	2	6	4	1	-	-	-		
		RATE+	47.1	-	16.7	-	57.1	193.5	121.2	30.3	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
LAKE	Live Births	NUMBER	423	-	17	38	138	111	76	36	6	1	-		
		RATE+	80.6	-	24.5	100.5	148.4	133.6	112.9	42.1	6.8	-	-		
	Fetal Deaths	NUMBER	3	-	-	-	1	2	-	-	-	-	-		
		RATE+	0.6	-	-	-	1.1	2.4	-	-	-	-	-		
	Induced Abortions	NUMBER	40	-	4	6	15	7	4	4	-	-	-		
		RATE+	7.6	-	5.8	15.9	16.1	8.4	5.9	4.7	-	-	-		
LEWIS AND CLARK	Live Births	NUMBER	729	-	27	47	173	239	154	69	20	-	-		
		RATE+	63.3	-	21.5	61.0	91.2	115.0	101.2	36.8	9.4	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	152	-	6	31	45	34	15	16	5	-	-		
		RATE+	13.2	-	4.8	40.3	23.7	16.4	9.9	8.5	2.4	-	-		
LIBERTY	Live Births	NUMBER	16	-	-	1	1	7	6	1	-	-	-		
		RATE+	56.9	-	-	41.7	18.5	304.3	214.3	22.2	-	-	-		
	Fetal Deaths	NUMBER	1	-	-	-	-	1	-	-	-	-	-		
		RATE+	3.6	-	-	-	-	43.5	-	-	-	-	-		
	Induced Abortions	NUMBER	2	-	-	1	-	1	-	-	-	-	-		
		RATE+	7.1	-	-	41.7	-	43.5	-	-	-	-	-		

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP

- FREQUENCY IS ZERO OR RATE IS NOT CALCULATED

FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE S-6

**FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2007**

COUNTY OF RESIDENCE			TOTAL	AGE										45 AND OVER	NOT STATED
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44				
LINCOLN	Live Births	NUMBER	160	1	3	9	52	50	31	13	1	-	-		
		RATE+	53.0	-	6.8	52.0	105.7	121.7	80.9	28.0	1.5	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	11	-	2	2	2	3	-	2	-	-	-		
		RATE+	3.6	-	4.5	11.6	4.1	7.3	-	4.3	-	-	-		
MADISON	Live Births	NUMBER	45	-	1	1	8	16	12	6	1	-	-		
		RATE+	36.7	-	5.7	14.9	37.0	99.4	60.3	31.9	4.6	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	7	-	1	-	1	1	3	1	-	-	-		
		RATE+	5.7	-	5.7	-	4.6	6.2	15.1	5.3	-	-	-		
MCCONE	Live Births	NUMBER	15	-	-	-	2	-	9	3	1	-	-		
		RATE+	59.5	-	-	-	46.5	-	333.3	78.9	15.4	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
MEAGHER	Live Births	NUMBER	24	-	-	-	6	6	6	6	-	-	-		
		RATE+	77.7	-	-	-	117.6	96.8	115.4	153.8	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	3	-	1	-	1	1	-	-	-	-	-		
		RATE+	9.7	-	25.0	-	19.6	16.1	-	-	-	-	-		
MINERAL	Live Births	NUMBER	38	-	1	4	8	18	6	1	-	-	-		
		RATE+	60.5	-	12.7	142.9	85.1	178.2	62.5	9.9	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	7	-	1	1	1	1	2	1	-	-	-		
		RATE+	11.1	-	12.7	35.7	10.6	9.9	20.8	9.9	-	-	-		
MISSOULA	Live Births	NUMBER	1,369	-	22	85	352	416	313	157	23	1	-		
		RATE+	57.6	-	11.5	48.0	70.4	87.6	89.7	48.4	6.4	-	-		
	Fetal Deaths	NUMBER	4	-	-	-	-	2	1	1	-	-	-		
		RATE+	0.2	-	-	-	-	0.4	0.3	0.3	-	-	-		
	Induced Abortions	NUMBER	371	-	20	40	154	94	36	18	8	1	-		
		RATE+	15.6	-	10.5	22.6	30.8	19.8	10.3	5.5	2.2	-	-		
MUSSELSHELL	Live Births	NUMBER	35	-	-	3	14	8	5	5	-	-	-		
		RATE+	50.2	-	-	54.5	111.1	102.6	53.8	42.4	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	6	-	-	-	2	1	1	2	-	-	-		
		RATE+	8.6	-	-	-	15.9	12.8	10.8	16.9	-	-	-		
PARK	Live Births	NUMBER	154	-	2	16	30	37	44	18	7	-	-		
		RATE+	55.3	-	6.3	115.9	88.5	74.1	118.0	32.5	12.4	-	-		
	Fetal Deaths	NUMBER	2	-	-	-	-	1	1	-	-	-	-		
		RATE+	0.7	-	-	-	-	2.0	2.7	-	-	-	-		
	Induced Abortions	NUMBER	20	-	2	3	6	2	3	4	-	-	-		
		RATE+	7.2	-	6.3	21.7	17.7	4.0	8.0	7.2	-	-	-		
PETROLEUM	Live Births	NUMBER	1	-	-	-	-	-	1	-	-	-	-		
		RATE+	14.3	-	-	-	-	-	100.0	-	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		

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+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP

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FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE S-6

**FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2007**

COUNTY OF RESIDENCE			TOTAL	AGE									
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
PHILLIPS	Live Births	NUMBER	43	-	-	2	11	17	10	1	2	-	-
		RATE+	74.3	-	-	52.6	108.9	229.7	169.5	13.2	16.0	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	-	-	1	-	-	-	-	-	-
		RATE+	1.7	-	-	-	9.9	-	-	-	-	-	-
PONDERA	Live Births	NUMBER	83	-	6	5	29	27	12	3	1	-	-
		RATE+	81.5	-	35.9	96.2	140.1	192.9	121.2	18.6	5.2	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	7	-	-	-	5	1	-	-	1	-	-
		RATE+	6.9	-	-	-	24.2	7.1	-	-	5.2	-	-
POWDER RIVER	Live Births	NUMBER	15	-	1	1	2	4	7	-	-	-	-
		RATE+	56.2	-	26.3	71.4	45.5	148.1	179.5	-	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	3	-	-	-	2	-	1	-	-	-	-
		RATE+	11.2	-	-	-	45.5	-	25.6	-	-	-	-
POWELL	Live Births	NUMBER	59	-	2	9	16	18	7	5	2	-	-
		RATE+	65.4	-	15.9	126.8	104.6	151.3	80.5	34.5	10.0	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	7	-	-	1	2	1	2	1	-	-	-
		RATE+	7.8	-	-	14.1	13.1	8.4	23.0	6.9	-	-	-
PRAIRIE	Live Births	NUMBER	6	-	-	-	1	2	2	1	-	-	-
		RATE+	47.6	-	-	-	52.6	222.2	90.9	37.0	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	Live Births	NUMBER	402	-	9	29	93	123	83	48	16	1	-
		RATE+	57.9	-	9.8	72.3	98.0	105.0	85.4	39.8	12.1	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	1	-	-	-	-	-
		RATE+	0.1	-	-	-	-	0.9	-	-	-	-	-
	Induced Abortions	NUMBER	58	-	6	8	20	9	10	3	2	-	-
		RATE+	8.4	-	6.5	20.0	21.1	7.7	10.3	2.5	1.5	-	-
RICHLAND	Live Births	NUMBER	130	-	2	8	49	31	23	14	3	-	-
		RATE+	83.7	-	8.4	83.3	192.9	139.0	117.3	58.1	9.8	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	3	-	1	-	-	-	1	1	-	-	-
		RATE+	1.9	-	4.2	-	-	-	5.1	4.1	-	-	-
ROOSEVELT	Live Births	NUMBER	217	-	21	27	94	38	20	14	2	1	-
		RATE+	114.7	-	70.7	188.8	252.0	147.3	105.3	45.9	6.1	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	-	1	-	-	-	-
		RATE+	0.5	-	-	-	-	-	5.3	-	-	-	-
	Induced Abortions	NUMBER	9	-	-	3	4	1	1	-	-	-	-
		RATE+	4.8	-	-	21.0	10.7	3.9	5.3	-	-	-	-
ROSEBUD	Live Births	NUMBER	185	-	9	20	65	45	27	18	1	-	-
		RATE+	111.0	-	35.2	155.0	221.1	232.0	133.0	77.6	2.8	-	-
	Fetal Deaths	NUMBER	2	-	-	1	-	-	-	1	-	-	-
		RATE+	1.2	-	-	7.8	-	-	-	4.3	-	-	-
	Induced Abortions	NUMBER	8	-	-	1	2	3	2	-	-	-	-
		RATE+	4.8	-	-	7.8	6.8	15.5	9.9	-	-	-	-

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TABLE S-6

**FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2007**

COUNTY OF RESIDENCE			TOTAL	AGE										45 AND OVER	NOT STATED
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44				
SANDERS	Live Births	NUMBER	125	-	3	11	40	35	22	11	3	-	-		
		RATE+	69.9	-	12.9	113.4	125.4	127.3	94.0	36.4	9.1	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	10	-	-	1	2	3	3	-	1	-	-		
		RATE+	5.6	-	-	10.3	6.3	10.9	12.8	-	3.0	-	-		
SHERIDAN	Live Births	NUMBER	24	-	-	2	5	9	8	-	-	-	-		
		RATE+	51.5	-	-	60.6	46.7	214.3	210.5	-	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	2	-	-	-	-	-	1	1	-	-	-		
		RATE+	4.3	-	-	-	-	-	26.3	22.7	-	-	-		
SILVER BOW	Live Births	NUMBER	388	-	10	37	106	134	65	31	5	-	-		
		RATE+	66.9	-	15.1	98.4	97.4	140.5	93.0	34.3	4.5	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	49	2	8	5	18	6	4	6	-	-	-		
		RATE+	8.5	-	12.1	13.3	16.5	6.3	5.7	6.6	-	-	-		
STILLWATER	Live Births	NUMBER	94	-	1	3	21	35	21	8	5	-	-		
		RATE+	66.1	-	5.3	44.8	90.5	172.4	116.0	31.9	16.7	-	-		
	Fetal Deaths	NUMBER	1	-	1	-	-	-	-	-	-	-	-		
		RATE+	0.7	-	5.3	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	6	-	-	2	-	1	3	-	-	-	-		
		RATE+	4.2	-	-	29.9	-	4.9	16.6	-	-	-	-		
SWEET GRASS	Live Births	NUMBER	36	-	1	2	8	9	12	2	-	2	-		
		RATE+	59.0	-	12.3	50.0	81.6	134.3	118.8	19.4	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	2	-	1	-	-	-	-	-	1	-	-		
		RATE+	3.3	-	12.3	-	-	-	-	-	8.3	-	-		
TETON	Live Births	NUMBER	59	-	1	1	15	19	18	4	1	-	-		
		RATE+	58.2	-	6.2	15.4	90.9	121.8	150.0	28.6	4.8	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	2	-	1	-	-	-	-	1	-	-	-		
		RATE+	2.0	-	6.2	-	-	-	-	7.1	-	-	-		
TOOLE	Live Births	NUMBER	47	-	1	4	19	8	12	1	2	-	-		
		RATE+	58.0	-	10.9	81.6	146.2	70.8	94.5	7.7	11.8	-	-		
	Fetal Deaths	NUMBER	1	-	-	-	-	-	-	1	-	-	-		
		RATE+	1.2	-	-	-	-	-	-	7.7	-	-	-		
	Induced Abortions	NUMBER	4	-	-	-	1	1	1	1	-	-	-		
		RATE+	4.9	-	-	-	7.7	8.8	7.9	7.7	-	-	-		
TREASURE	Live Births	NUMBER	5	-	-	-	1	1	2	-	1	-	-		
		RATE+	51.0	-	-	-	50.0	111.1	250.0	-	50.0	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
VALLEY	Live Births	NUMBER	75	-	1	6	18	21	20	9	-	-	-		
		RATE+	72.2	-	7.1	117.6	113.2	146.9	157.5	46.2	-	-	-		
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-		
		RATE+	-	-	-	-	-	-	-	-	-	-	-		
	Induced Abortions	NUMBER	4	-	-	1	1	2	-	-	-	-	-		
		RATE+	3.8	-	-	19.6	6.3	14.0	-	-	-	-	-		

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP

- FREQUENCY IS ZERO OR RATE IS NOT CALCULATED

FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE S-6

**FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2007**

COUNTY OF RESIDENCE			TOTAL	AGE									
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
WHEATLAND	Live Births	NUMBER	18	1	-	2	5	5	5	-	-	-	-
		RATE+	56.4	-	-	76.9	106.4	111.1	113.6	-	-	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	1	-	-	-	-	-
		RATE+	3.1	-	-	-	-	22.2	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	-	-	1	-	-	-	-	-	-
		RATE+	3.1	-	-	-	21.3	-	-	-	-	-	-
WIBAUX	Live Births	NUMBER	7	-	-	-	1	3	2	1	-	-	-
		RATE+	48.6	-	-	-	47.6	187.5	181.8	38.5	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	-	-	1	-	-	-	-	-	-
		RATE+	6.9	-	-	-	47.6	-	-	-	-	-	-
YELLOWSTONE	Live Births	NUMBER	1,951	-	56	105	551	629	403	171	33	3	-
		RATE+	71.5	-	19.4	65.4	123.5	131.7	93.2	38.6	6.9	-	-
	Fetal Deaths	NUMBER	2	-	-	-	-	-	1	-	1	-	-
		RATE+	0.1	-	-	-	-	-	0.2	-	0.2	-	-
	Induced Abortions	NUMBER	374	1	23	35	147	89	40	26	12	1	-
		RATE+	13.7	-	8.0	21.8	33.0	18.6	9.2	5.9	2.5	-	-
-NOT STATED	Live Births	NUMBER	3	-	-	-	1	1	-	-	1	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	45	-	9	6	9	13	3	5	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP

- FREQUENCY IS ZERO OR RATE IS NOT CALCULATED

FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE P-1
MONTANA RESIDENT POPULATION BY COUNTY
MONTANA, 2000-2007

COUNTY	2007 U.S. CENSUS EST. POPULATION	2006 U.S. CENSUS EST. POPULATION	2005 U.S. CENSUS EST. POPULATION	2004 U.S. CENSUS EST. POPULATION	2003 U.S. CENSUS EST. POPULATION	2002 U.S. CENSUS EST. POPULATION	2001 U.S. CENSUS EST. POPULATION	2000 U.S. CENSUS EST. POPULATION
MONTANA TOTAL	957,861	946,795	935,784	926,721	917,453	910,282	906,098	903,329
BEAVERHEAD	8,804	8,854	8,772	8,819	8,845	8,961	9,019	9,190
BIG HORN	12,798	12,730	12,772	12,851	12,740	12,775	12,808	12,662
BLAINE	6,550	6,567	6,617	6,594	6,718	6,789	6,760	6,978
BROADWATER	4,590	4,505	4,437	4,442	4,365	4,347	4,367	4,368
CARBON	9,721	9,705	9,750	9,665	9,648	9,653	9,636	9,563
CARTER	1,268	1,270	1,278	1,303	1,307	1,334	1,350	1,345
CASCADE	81,775	81,898	81,822	81,714	81,081	80,606	80,390	80,204
CHOUTEAU	5,254	5,264	5,312	5,398	5,503	5,600	5,751	5,976
CUSTER	11,188	11,107	11,177	11,316	11,285	11,412	11,429	11,669
DANIELS	1,650	1,706	1,767	1,795	1,877	1,912	2,003	2,012
DAWSON	8,558	8,556	8,551	8,564	8,653	8,698	8,905	9,037
DEER LODGE	8,852	8,850	9,005	9,013	8,990	9,101	9,225	9,388
FALLON	2,696	2,651	2,629	2,706	2,717	2,689	2,720	2,811
FERGUS	11,181	11,235	11,229	11,372	11,430	11,573	11,677	11,880
FLATHEAD	86,844	84,633	82,601	80,687	79,194	77,302	76,002	74,713
GALLATIN	87,359	84,489	80,748	77,472	74,733	71,998	70,186	68,363
GARFIELD	1,215	1,203	1,174	1,212	1,234	1,246	1,263	1,267
GLACIER	13,382	13,423	13,417	13,518	13,260	13,169	13,139	13,199
GOLDEN VALLEY	1,125	1,105	1,117	1,083	1,041	1,055	1,016	1,023
GRANITE	2,852	2,882	2,895	2,852	2,861	2,872	2,877	2,841
HILL	16,568	16,439	16,227	16,229	16,211	16,304	16,471	16,631
JEFFERSON	11,121	10,882	10,792	10,584	10,320	10,234	10,126	10,079
JUDITH BASIN	2,048	2,128	2,138	2,179	2,187	2,240	2,264	2,333
LAKE	28,438	28,394	27,993	27,625	27,118	26,843	26,846	26,625
LEWIS & CLARK	59,998	59,003	58,150	57,751	56,899	56,147	56,199	55,882
LIBERTY	1,796	1,841	1,936	1,995	2,007	2,005	2,088	2,152
LINCOLN	18,885	18,661	18,704	18,618	18,581	18,489	18,551	18,816
MCCONE	1,724	1,728	1,750	1,762	1,783	1,821	1,873	1,966
MADISON	7,426	7,193	7,094	6,906	6,824	6,889	6,833	6,871
MEAGHER	1,900	1,920	1,912	1,953	1,929	1,911	1,923	1,929
MINERAL	3,895	3,967	3,949	3,851	3,840	3,782	3,818	3,888
MISSOULA	105,650	104,068	102,239	100,884	99,907	98,957	97,409	96,168
MUSSELSHELL	4,494	4,470	4,380	4,422	4,404	4,388	4,396	4,491
PARK	16,099	15,887	15,769	15,629	15,632	15,750	15,694	15,718
PETROLEUM	438	463	459	489	483	489	481	492
PHILLIPS	3,948	3,974	4,051	4,149	4,203	4,303	4,445	4,549
PONDERA	5,943	5,952	5,981	6,007	6,127	6,222	6,327	6,378
POWDER RIVER	1,699	1,736	1,699	1,759	1,815	1,821	1,813	1,856
POWELL	7,118	7,120	6,955	6,846	6,865	6,964	7,015	7,180
PRAIRIE	1,044	1,062	1,079	1,140	1,158	1,169	1,209	1,185
RAVALLI	40,396	39,836	39,268	38,950	38,336	37,423	36,748	36,306
RICHLAND	9,182	9,097	9,030	8,959	9,086	9,215	9,385	9,612
ROOSEVELT	10,148	10,265	10,412	10,439	10,326	10,377	10,543	10,606
ROSEBUD	9,182	9,124	9,149	9,152	9,218	9,203	9,246	9,386
SANDERS	11,033	10,898	10,744	10,688	10,394	10,350	10,406	10,246
SHERIDAN	3,373	3,408	3,486	3,610	3,642	3,785	3,929	4,076
SILVER BOW	32,652	32,682	32,781	32,904	33,072	33,365	33,722	34,518
STILLWATER	8,660	8,489	8,327	8,309	8,347	8,365	8,339	8,216
SWEET GRASS	3,807	3,697	3,646	3,658	3,581	3,615	3,597	3,639
TETON	6,023	6,015	6,077	6,199	6,315	6,294	6,382	6,437
TOOLE	5,144	5,183	5,298	5,164	5,242	5,366	5,365	5,262
TREASURE	651	677	700	744	744	767	824	855
VALLEY	6,899	6,933	7,045	7,161	7,224	7,373	7,508	7,640
WHEATLAND	1,983	1,966	2,031	2,071	2,099	2,174	2,169	2,251
WIBAUX	898	890	920	957	971	997	1,015	1,071
YELLOWSTONE	139,936	138,114	136,543	134,602	133,081	131,793	130,616	129,530

SOURCE: NATIONAL CENTER FOR HEALTH STATISTICS. POSTCENSAL ESTIMATES OF THE RESIDENT POPULATION OF THE UNITED STATES FOR JULY 1, 2000-JULY 1, 2007 (VINTAGE 2007). PREPARED UNDER A COLLABORATIVE ARRANGEMENT WITH THE U.S. CENSUS BUREAU; RELEASED AUGUST 7, 2008. AVAILABLE FROM:
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm> AS OF SEPTEMBER 5, 2008.

TABLE B-1
FREQUENCY AND PERCENT* DISTRIBUTION OF LIVE BIRTHS BY INFANT'S SEX,
LEGITIMACY, PLURALITY, AND PARITY
MONTANA RESIDENTS, 2001-2007

ITEM	2007		2006		2005		2004		2003		2002		2001	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA TOTAL	12,437	100	12,499	100	11,573	100	11,514	100	11,384	100	11,045	100	10,947	100
SEX														
MALE	6,366	51.2	6,444	51.6	5,918	51.1	5,880	51.1	5,797	50.9	5,616	50.8	5,575	50.9
FEMALE	6,071	48.8	6,055	48.4	5,655	48.9	5,633	48.9	5,587	49.1	5,429	49.2	5,371	49.1
UNKNOWN	-	-	-	-	-	-	1	0.0	-	-	-	-	1	0.0
LEGITIMACY														
IN WEDLOCK	7,970	64.1	8,000	64.0	7,564	65.4	7,561	65.7	7,717	67.8	7,415	67.1	7,509	68.6
OUT OF WEDLOCK	4,456	35.8	4,489	35.9	3,993	34.5	3,938	34.2	3,656	32.1	3,624	32.8	3,429	31.3
NOT STATED	11	0.1	10	0.1	16	0.1	15	0.1	11	0.1	6	0.1	9	0.1
PLURALITY														
SINGLE	12,034	96.8	12,092	96.7	11,278	97.5	11,135	96.7	11,072	97.3	10,718	97.0	10,616	97.0
TWINS	397	3.2	388	3.1	286	2.5	359	3.1	305	2.7	317	2.9	299	2.7
TRIPLETS OR MORE	6	0.0	16	0.1	7	0.1	19	0.2	7	0.1	9	0.1	30	0.3
NOT STATED	-	-	3	0.0	2	0.0	1	0.0	-	-	1	0.0	2	0.0
PARITY														
FIRST BIRTH	4,952	39.8	4,934	39.5	4,524	39.1	4,446	38.6	4,329	38.0	4,313	39.0	4,162	38.0
SECOND BIRTH	3,695	29.7	3,724	29.8	3,538	30.6	3,615	31.4	3,620	31.8	3,556	32.2	3,470	31.7
THIRD BIRTH	2,115	17.0	2,150	17.2	1,995	17.2	2,023	17.6	2,013	17.7	1,878	17.0	1,908	17.4
FOURTH BIRTH	961	7.7	984	7.9	898	7.8	868	7.5	814	7.2	763	6.9	792	7.2
FIFTH BIRTH	378	3.0	391	3.1	349	3.0	293	2.5	324	2.8	296	2.7	331	3.0
SIXTH BIRTH	167	1.3	164	1.3	125	1.1	125	1.1	139	1.2	120	1.1	128	1.2
SEVENTH BIRTH	79	0.6	71	0.6	63	0.5	63	0.5	67	0.6	55	0.5	65	0.6
EIGHTH BIRTH	43	0.3	33	0.3	34	0.3	29	0.3	29	0.3	32	0.3	43	0.4
NINTH OR MORE	40	0.3	41	0.3	33	0.3	42	0.4	42	0.4	29	0.3	44	0.4
NOT STATED	7	0.1	7	0.1	14	0.1	10	0.1	7	0.1	3	0.0	4	0.0

*EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFERENT SLIGHTLY FROM THE TOTALS.

TABLE B-2
FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY TYPE OF FACILITY OR ATTENDANT
AND BY COUNTY OF OCCURENCE
MONTANA, 2007

COUNTY	TOTAL	BOA* AND IN HOSPITAL		PHYSICIAN NOT IN HOSPITAL		OTHER NOT IN HOSPITAL	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA TOTAL	12,401	11,958	96.4	11	0.1	432	3.5
BEAVERHEAD	85	85	100	-	-	-	-
BIG HORN	217	217	100	-	-	-	-
BLAINE	-	-	-	-	-	-	-
BROADWATER	1	-	-	-	-	1	100
CARBON	2	-	-	-	-	2	100
CARTER	-	-	-	-	-	-	-
CASCADE	1,523	1,445	94.9	-	-	78	5.1
CHOUTEAU	1	-	-	-	-	1	100
CUSTER	254	254	100	-	-	-	-
DANIELS	-	-	-	-	-	-	-
DAWSON	106	105	99.1	-	-	1	0.9
DEER LODGE	33	31	93.9	-	-	2	6.1
FALLON	-	-	-	-	-	-	-
FERGUS	97	96	99.0	-	-	1	1.0
FLATHEAD	1,249	1,211	97.0	-	-	38	3.0
GALLATIN	1,270	1,214	95.6	-	-	56	4.4
GARFIELD	-	-	-	-	-	-	-
GLACIER	213	213	100	-	-	-	-
GOLDEN VALLEY	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-
HILL	387	384	99.2	-	-	3	0.8
JEFFERSON	2	-	-	-	-	2	100
JUDITH BASIN	-	-	-	-	-	-	-
LAKE	336	323	96.1	-	-	13	3.9
LEWIS & CLARK	794	784	98.7	-	-	10	1.3
LIBERTY	-	-	-	-	-	-	-
LINCOLN	108	94	87.0	-	-	14	13.0
MCCONE	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	-	-
MEAGHER	-	-	-	-	-	-	-
MINERAL	-	-	-	-	-	-	-
MISSOULA	1,826	1,710	93.6	7	0.4	109	6.0
MUSSELSHELL	-	-	-	-	-	-	-
PARK	163	138	84.7	-	-	25	15.3
PETROLEUM	-	-	-	-	-	-	-
PHILLIPS	2	2	100	-	-	-	-
PONDERA	45	45	100	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-
POWELL	12	11	91.7	-	-	1	8.3
PRAIRIE	-	-	-	-	-	-	-
RAVALLI	186	150	80.6	-	-	36	19.4
RICHLAND	107	107	100	-	-	-	-
ROOSEVELT	77	77	100	-	-	-	-
ROSEBUD	6	-	-	3	50.0	3	50.0
SANDERS	56	50	89.3	-	-	6	10.7
SHERIDAN	18	18	100	-	-	-	-
SILVER BOW	475	474	99.8	1	0.2	-	-
STILLWATER	2	-	-	-	-	2	100
SWEET GRASS	-	-	-	-	-	-	-
TETON	3	-	-	-	-	3	100
TOOLE	29	28	96.6	-	-	1	3.4
TREASURE	-	-	-	-	-	-	-
VALLEY	161	161	100	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-
YELLOWSTONE	2,545	2,531	99.4	-	-	14	0.6
YELLOWSTONE PARK	-	-	-	-	-	-	-
-NOT STATED	10	-	-	-	-	10	100

*BORN ON ARRIVAL

TABLE B-3
FREQUENCY AND PERCENT* DISTRIBUTION OF LIVE BIRTHS BY BIRTHWEIGHT
AND BY COUNTY OF RESIDENCE
MONTANA, 2007

YEAR	TOTAL	LESS THAN 1,000 GRAMS		1,000 - 1,499 GRAMS		1,500 - 2,499 GRAMS		2,500 - 3,999 GRAMS		4,000 GRAMS OR MORE		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA TOTAL	12,437	75	0.6	69	0.6	751	6.0	10,492	84.4	1,048	8.4	2	0.0
BEAVERHEAD	94	-	-	-	-	8	8.5	76	80.9	10	10.6	-	-
BIG HORN	281	2	0.7	1	0.4	21	7.5	216	76.9	41	14.6	-	-
BLAINE	123	-	-	-	-	11	8.9	95	77.2	17	13.8	-	-
BROADWATER	47	-	-	-	-	6	12.8	40	85.1	1	2.1	-	-
CARBON	85	-	-	-	-	4	4.7	73	85.9	8	9.4	-	-
CARTER	7	-	-	-	-	-	-	7	100	-	-	-	-
CASCADE	1,203	3	0.2	9	0.7	85	7.1	1,013	84.2	93	7.7	-	-
CHOUTEAU	44	2	4.5	-	-	1	2.3	38	86.4	3	6.8	-	-
CUSTER	124	-	-	-	-	11	8.9	102	82.3	11	8.9	-	-
DANIELS	15	-	-	-	-	-	-	14	93.3	1	6.7	-	-
DAWSON	109	-	-	-	-	10	9.2	95	87.2	4	3.7	-	-
DEER LODGE	73	-	-	-	-	2	2.7	69	94.5	2	2.7	-	-
FALLON	47	1	2.1	-	-	4	8.5	42	89.4	-	-	-	-
FERGUS	98	-	-	-	-	8	8.2	81	82.7	9	9.2	-	-
FLATHEAD	1,214	5	0.4	7	0.6	60	4.9	1,005	82.8	137	11.3	-	-
GALLATIN	1,238	4	0.3	6	0.5	60	4.8	1,081	87.3	86	6.9	1	0.1
GARFIELD	9	-	-	-	-	-	-	9	100	-	-	-	-
GLACIER	241	1	0.4	3	1.2	17	7.1	199	82.6	21	8.7	-	-
GOLDEN VALLEY	7	-	-	-	-	-	-	7	100	-	-	-	-
GRANITE	23	-	-	-	-	4	17.4	15	65.2	4	17.4	-	-
HILL	267	-	-	1	0.4	17	6.4	219	82.0	30	11.2	-	-
JEFFERSON	93	1	1.1	-	-	7	7.5	79	84.9	6	6.5	-	-
JUDITH BASIN	14	-	-	-	-	-	-	14	100	-	-	-	-
LAKE	423	5	1.2	1	0.2	32	7.6	357	84.4	28	6.6	-	-
LEWIS & CLARK	729	4	0.5	9	1.2	57	7.8	615	84.4	44	6.0	-	-
LIBERTY	16	-	-	-	-	-	-	14	87.5	2	12.5	-	-
LINCOLN	160	1	0.6	-	-	9	5.6	138	86.3	11	6.9	1	0.6
MCCONE	15	-	-	-	-	-	-	13	86.7	2	13.3	-	-
MADISON	45	-	-	-	-	1	2.2	42	93.3	2	4.4	-	-
MEAGHER	24	2	8.3	-	-	2	8.3	20	83.3	-	-	-	-
MINERAL	38	-	-	-	-	5	13.2	31	81.6	2	5.3	-	-
MISSOULA	1,369	11	0.8	8	0.6	71	5.2	1,159	84.7	120	8.8	-	-
MUSSELSHELL	35	-	-	-	-	3	8.6	29	82.9	3	8.6	-	-
PARK	154	-	-	1	0.6	8	5.2	134	87.0	11	7.1	-	-
PETROLEUM	1	-	-	-	-	-	-	1	100	-	-	-	-
PHILLIPS	43	-	-	1	2.3	-	-	40	93.0	2	4.7	-	-
PONDERA	83	1	1.2	-	-	3	3.6	72	86.7	7	8.4	-	-
POWDER RIVER	15	-	-	-	-	-	-	11	73.3	4	26.7	-	-
POWELL	59	-	-	-	-	9	15.3	48	81.4	2	3.4	-	-
PRAIRIE	6	-	-	-	-	-	-	4	66.7	2	33.3	-	-
RAVALLI	402	-	-	2	0.5	25	6.2	346	86.1	29	7.2	-	-
RICHLAND	130	1	0.8	1	0.8	15	11.5	103	79.2	10	7.7	-	-
ROOSEVELT	217	1	0.5	4	1.8	14	6.5	159	73.3	39	18.0	-	-
ROSEBUD	185	-	-	-	-	11	5.9	145	78.4	29	15.7	-	-
SANDERS	125	1	0.8	-	-	5	4.0	109	87.2	10	8.0	-	-
SHERIDAN	24	-	-	-	-	1	4.2	19	79.2	4	16.7	-	-
SILVER BOW	388	7	1.8	-	-	26	6.7	328	84.5	27	7.0	-	-
STILLWATER	94	3	3.2	1	1.1	2	2.1	79	84.0	9	9.6	-	-
SWEET GRASS	36	-	-	2	5.6	3	8.3	30	83.3	1	2.8	-	-
TETON	59	1	1.7	-	-	1	1.7	54	91.5	3	5.1	-	-
TOOLE	47	-	-	-	-	4	8.5	42	89.4	1	2.1	-	-
TREASURE	5	-	-	-	-	-	-	5	100	-	-	-	-
VALLEY	75	1	1.3	-	-	2	2.7	62	82.7	10	13.3	-	-
WHEATLAND	18	-	-	-	-	-	-	16	88.9	2	11.1	-	-
WIBAUX	7	-	-	-	-	-	-	7	100	-	-	-	-
YELLOWSTONE	1,951	17	0.9	12	0.6	106	5.4	1,668	85.5	148	7.6	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-
-NOT STATED	3	-	-	-	-	-	-	3	100	-	-	-	-

*EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFERENT SLIGHTLY FROM THE TOTALS.

TABLE B-4
FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS
BY COMPLETED WEEKS OF GESTATION* AND BY COUNTY OF RESIDENCE
MONTANA, 2007

COUNTY OF RESIDENCE	TOTAL NUMBER	27 OR FEWER WEEKS		28 - 31 WEEKS		32 - 36 WEEKS		37 - 39 WEEKS		40 - 41 WEEKS		42 OR MORE WEEKS		NOT STATED	
		NUM.	PCT.	NUM.	PCT.	NUM.	PCT.	NUM.	PCT.	NUM.	PCT.	NUM.	PCT.	NUM.	PCT.
MONTANA TOTAL	12,437	86	0.7	114	0.9	1,045	8.4	7,192	57.8	3,885	31.2	88	0.7	27	0.2
BEAVERHEAD	94	-	-	-	-	12	12.8	53	56.4	29	30.9	-	-	-	-
BIG HORN	281	2	0.7	2	0.7	23	8.2	137	48.8	115	40.9	2	0.7	-	-
BLAINE	123	-	-	2	1.6	19	15.4	69	56.1	31	25.2	2	1.6	-	-
BROADWATER	47	-	-	-	-	4	8.5	33	70.2	10	21.3	-	-	-	-
CARBON	85	1	1.2	-	-	5	5.9	59	69.4	20	23.5	-	-	-	-
CARTER	7	-	-	-	-	-	-	7	100	-	-	-	-	-	-
CASCADE	1,203	4	0.3	18	1.5	117	9.7	763	63.4	293	24.4	7	0.6	1	0.1
CHOUTEAU	44	2	4.5	-	-	3	6.8	29	65.9	9	20.5	1	2.3	-	-
CUSTER	124	-	-	1	0.8	18	14.5	68	54.8	37	29.8	-	-	-	-
DANIELS	15	-	-	-	-	1	6.7	5	33.3	9	60.0	-	-	-	-
DAWSON	109	-	-	1	0.9	18	16.5	76	69.7	14	12.8	-	-	-	-
DEER LODGE	73	-	-	-	-	4	5.5	45	61.6	23	31.5	-	-	1	1.4
FALLON	47	1	2.1	-	-	8	17.0	29	61.7	9	19.1	-	-	-	-
FERGUS	98	-	-	-	-	11	11.2	37	37.8	46	46.9	4	4.1	-	-
FLATHEAD	1,214	6	0.5	11	0.9	79	6.5	587	48.4	518	42.7	12	1.0	1	0.1
GALLATIN	1,238	5	0.4	11	0.9	97	7.8	700	56.5	414	33.4	10	0.8	1	0.1
GARFIELD	9	-	-	-	-	-	-	6	66.7	3	33.3	-	-	-	-
GLACIER	241	1	0.4	2	0.8	23	9.5	109	45.2	103	42.7	2	0.8	1	0.4
GOLDEN VALLEY	7	-	-	-	-	-	-	7	100	-	-	-	-	-	-
GRANITE	23	-	-	-	-	6	26.1	10	43.5	6	26.1	1	4.3	-	-
HILL	267	-	-	1	0.4	20	7.5	175	65.5	70	26.2	1	0.4	-	-
JEFFERSON	93	1	1.1	-	-	8	8.6	55	59.1	26	28.0	2	2.2	1	1.1
JUDITH BASIN	14	-	-	-	-	-	-	9	64.3	4	28.6	1	7.1	-	-
LAKE	423	5	1.2	6	1.4	42	9.9	277	65.5	88	20.8	2	0.5	3	0.7
LEWIS & CLARK	729	4	0.5	8	1.1	61	8.4	455	62.4	198	27.2	3	0.4	-	-
LIBERTY	16	-	-	-	-	1	6.3	12	75.0	3	18.8	-	-	-	-
LINCOLN	160	1	0.6	-	-	8	5.0	83	51.9	67	41.9	1	0.6	-	-
MCCONE	15	-	-	-	-	2	13.3	8	53.3	5	33.3	-	-	-	-
MADISON	45	-	-	-	-	4	8.9	25	55.6	15	33.3	-	-	1	2.2
MEAGHER	24	2	8.3	-	-	3	12.5	13	54.2	6	25.0	-	-	-	-
MINERAL	38	-	-	-	-	4	10.5	18	47.4	16	42.1	-	-	-	-
MISSOULA	1,369	19	1.4	12	0.9	121	8.8	747	54.6	456	33.3	7	0.5	7	0.5
MUSSELSHELL	35	-	-	-	-	3	8.6	25	71.4	7	20.0	-	-	-	-
PARK	154	-	-	-	-	15	9.7	77	50.0	62	40.3	-	-	-	-
PETROLEUM	1	-	-	-	-	-	-	1	100	-	-	-	-	-	-
PHILLIPS	43	-	-	1	2.3	2	4.7	23	53.5	17	39.5	-	-	-	-
PONDERA	83	1	1.2	-	-	8	9.6	44	53.0	29	34.9	-	-	1	1.2
POWDER RIVER	15	-	-	-	-	-	-	14	93.3	1	6.7	-	-	-	-
POWELL	59	-	-	2	3.4	3	5.1	32	54.2	22	37.3	-	-	-	-
PRAIRIE	6	-	-	-	-	1	16.7	3	50.0	2	33.3	-	-	-	-
RAVALLI	402	-	-	2	0.5	27	6.7	249	61.9	116	28.9	6	1.5	2	0.5
RICHLAND	130	1	0.8	3	2.3	10	7.7	81	62.3	33	25.4	2	1.5	-	-
ROOSEVELT	217	-	-	7	3.2	24	11.1	102	47.0	77	35.5	6	2.8	1	0.5
ROSEBUD	185	-	-	-	-	18	9.7	109	58.9	58	31.4	-	-	-	-
SANDERS	125	-	-	3	2.4	11	8.8	65	52.0	43	34.4	3	2.4	-	-
SHERIDAN	24	-	-	-	-	2	8.3	10	41.7	12	50.0	-	-	-	-
SILVER BOW	388	6	1.5	4	1.0	29	7.5	191	49.2	148	38.1	4	1.0	6	1.5
STILLWATER	94	2	2.1	3	3.2	2	2.1	60	63.8	26	27.7	1	1.1	-	-
SWEET GRASS	36	-	-	2	5.6	4	11.1	24	66.7	6	16.7	-	-	-	-
TETON	59	1	1.7	-	-	1	1.7	41	69.5	16	27.1	-	-	-	-
TOOLE	47	1	2.1	-	-	3	6.4	27	57.4	15	31.9	1	2.1	-	-
TREASURE	5	-	-	-	-	-	-	4	80.0	1	20.0	-	-	-	-
VALLEY	75	1	1.3	-	-	7	9.3	36	48.0	31	41.3	-	-	-	-
WHEATLAND	18	-	-	-	-	1	5.6	12	66.7	5	27.8	-	-	-	-
WIBAUX	7	-	-	-	-	2	28.6	4	57.1	1	14.3	-	-	-	-
YELLOWSTONE	1,951	19	1.0	12	0.6	150	7.7	1,250	64.1	513	26.3	7	0.4	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-NOT STATED	3	-	-	-	-	-	-	2	66.7	1	33.3	-	-	-	-

*CLINICAL ESTIMATE OF COMPLETED WEEKS OF GESTATIONAL AGE

TABLE B-5
FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS TO MONTANA RESIDENTS
DELIVERED IN MONTANA BY NUMBER OF CHILDREN BORN ALIVE
AND YEARS OF EDUCATION OF MOTHER
MONTANA, 2007

EDUCATION OF MOTHER IN YEARS	TOTAL	NUMBER OF LIVE BORN CHILDREN										
		ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN OR MORE	NOT STATED
TOTAL	12,249	4,880	3,640	2,081	949	370	165	78	43	18	22	3
	100	39.8	29.7	17.0	7.7	3.0	1.3	0.6	0.4	0.1	0.2	0.0
NONE	3	-	-	2	1	-	-	-	-	-	-	-
	100	-	-	66.7	33.3	-	-	-	-	-	-	-
LESS THAN 8 YEARS	76	31	19	15	8	1	1	1	-	-	-	-
	100	40.8	25.0	19.7	10.5	1.3	1.3	1.3	-	-	-	-
8 YEARS	196	52	42	47	22	13	8	4	5	1	2	-
	100	26.5	21.4	24.0	11.2	6.6	4.1	2.0	2.6	0.5	1.0	-
9 YEARS	258	105	54	45	31	12	4	4	2	1	-	-
	100	40.7	20.9	17.4	12.0	4.7	1.6	1.6	0.8	0.4	-	-
10 YEARS	488	225	106	84	38	19	5	6	2	2	1	-
	100	46.1	21.7	17.2	7.8	3.9	1.0	1.2	0.4	0.4	0.2	-
11 YEARS	622	287	152	86	57	24	8	3	3	-	2	-
	100	46.1	24.4	13.8	9.2	3.9	1.3	0.5	0.5	-	0.3	-
12 YEARS	4,153	1,558	1,281	713	358	125	64	23	15	9	6	1
	100	37.5	30.8	17.2	8.6	3.0	1.5	0.6	0.4	0.2	0.1	0.0
1 YR COLLEGE	1,095	418	315	194	100	38	14	6	5	3	1	1
	100	38.2	28.8	17.7	9.1	3.5	1.3	0.5	0.5	0.3	0.1	0.1
2 YRS COLLEGE	1,366	502	417	250	110	50	18	8	6	1	4	-
	100	36.7	30.5	18.3	8.1	3.7	1.3	0.6	0.4	0.1	0.3	-
3 YRS COLLEGE	519	206	164	83	35	20	7	3	1	-	-	-
	100	39.7	31.6	16.0	6.7	3.9	1.3	0.6	0.2	-	-	-
4 YRS COLLEGE	2,035	851	622	343	130	46	24	14	-	1	4	-
	100	41.8	30.6	16.9	6.4	2.3	1.2	0.7	-	0.0	0.2	-
POST GRADUATE	1,380	618	450	213	57	21	10	6	4	-	1	-
	100	44.8	32.6	15.4	4.1	1.5	0.7	0.4	0.3	-	0.1	-
NOT STATED	58	27	18	6	2	1	2	-	-	-	1	1
	100	46.6	31.0	10.3	3.4	1.7	3.4	-	-	-	1.7	1.7

TABLE B-6
FREQUENCY OF LIVE BIRTHS BY MONTH PRE-NATAL CARE BEGAN
AND BY COUNTY OF RESIDENCE
MONTANA, 2007

COUNTY	Total	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	No Care	Not Stated
MONTANA TOTAL	12,437	1,500	5,768	2,945	882	430	262	157	96	321	75	1
BEAVERHEAD	94	2	27	34	12	7	3	3	-	5	1	-
BIG HORN	281	37	92	54	31	17	15	13	11	9	2	-
BLAINE	123	18	38	29	19	6	7	3	2	1	-	-
BROADWATER	47	8	20	10	4	1	4	-	-	-	-	-
CARBON	85	17	40	18	5	2	1	2	-	-	-	-
CARTER	7	-	1	2	-	-	-	-	-	4	-	-
CASCADE	1,203	305	556	205	50	29	17	8	3	19	11	-
CHOUTEAU	44	8	21	9	3	1	1	-	1	-	-	-
CUSTER	124	1	72	31	7	4	3	1	-	5	-	-
DANIELS	15	-	8	3	-	-	-	-	-	4	-	-
DAWSON	109	12	45	32	11	1	2	1	4	1	-	-
DEER LODGE	73	1	40	20	6	1	1	1	1	2	-	-
FALLON	47	1	24	11	3	2	1	-	-	5	-	-
FERGUS	98	3	40	38	7	6	1	-	1	1	1	-
FLATHEAD	1,214	98	526	376	98	48	22	16	11	16	3	-
GALLATIN	1,238	124	562	416	75	28	8	12	3	7	3	-
GARFIELD	9	-	1	7	-	-	1	-	-	-	-	-
GLACIER	241	39	95	39	22	13	6	12	2	4	9	-
GOLDEN VALLEY	7	-	1	3	2	-	1	-	-	-	-	-
GRANITE	23	-	12	9	-	1	1	-	-	-	-	-
HILL	267	33	102	65	30	18	10	2	4	1	2	-
JEFFERSON	93	5	52	17	7	5	-	3	3	1	-	-
JUDITH BASIN	14	1	7	4	1	-	-	-	-	-	1	-
LAKE	423	29	135	129	36	30	20	10	12	17	5	-
LEWIS & CLARK	729	69	458	109	50	17	11	4	1	8	1	1
LIBERTY	16	1	9	3	1	-	2	-	-	-	-	-
LINCOLN	160	32	66	26	15	3	3	4	1	10	-	-
MCCONE	15	2	9	3	1	-	-	-	-	-	-	-
MADISON	45	6	19	12	4	1	2	-	-	-	1	-
MEAGHER	24	4	15	3	-	2	-	-	-	-	-	-
MINERAL	38	1	22	6	3	2	1	1	1	1	-	-
MISSOULA	1,369	76	727	352	95	36	19	12	7	36	9	-
MUSSELSHELL	35	5	13	11	3	2	-	1	-	-	-	-
PARK	154	15	78	45	6	4	1	2	1	1	1	-
PETROLEUM	1	-	1	-	-	-	-	-	-	-	-	-
PHILLIPS	43	4	16	13	2	4	2	1	1	-	-	-
PONDERA	83	9	28	28	4	9	2	-	1	1	1	-
POWDER RIVER	15	-	6	2	2	-	-	1	-	4	-	-
POWELL	59	4	24	13	8	4	3	-	-	3	-	-
PRAIRIE	6	-	1	2	2	1	-	-	-	-	-	-
RAVALLI	402	74	190	80	29	9	5	3	1	10	1	-
RICHLAND	130	12	50	21	4	1	1	1	-	39	1	-
ROOSEVELT	217	17	64	44	31	9	14	9	4	22	3	-
ROSEBUD	185	22	72	24	19	16	5	8	2	11	6	-
SANDERS	125	9	40	18	13	6	5	-	2	31	1	-
SHERIDAN	24	8	5	1	-	-	-	-	-	10	-	-
SILVER BOW	388	10	206	114	18	11	11	4	1	13	-	-
STILLWATER	94	19	45	13	7	3	3	1	1	1	1	-
SWEET GRASS	36	6	12	12	3	-	1	-	2	-	-	-
TETON	59	9	25	14	4	5	1	1	-	-	-	-
TOOLE	47	8	20	10	4	2	1	-	-	2	-	-
TREASURE	5	-	2	1	-	2	-	-	-	-	-	-
VALLEY	75	3	42	20	4	2	1	-	1	1	1	-
WHEATLAND	18	2	6	4	3	-	3	-	-	-	-	-
WIBAUX	7	-	1	1	-	2	-	-	-	3	-	-
YELLOWSTONE	1,951	331	978	378	118	57	40	17	11	11	10	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
-NOT STATED	3	-	1	1	-	-	-	-	-	1	-	-

TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																							
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		40-44	
	Both	Male	Fem.	Male	Fem.	Male	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
All Causes	8,570	4,342	4,228	43	33	5	10	2	2	3	8	6	14	9	21	9	64	28	55	23	31	23	53	31	80	64	
I. Certain infectious and parasitic diseases	138	62	76	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2	-	3	3	
Intestinal infectious diseases	14	4	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other intestinal infectious diseases	14	4	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(7) Intestinal infections due to other specified organisms	14	4	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tuberculosis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(10) Other tuberculosis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Zoonotic and other bacterial diseases	72	28	44	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	
(18) Septicemia	71	28	43	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	
(19) Other zoonotic and bacterial diseases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Viral diseases	41	25	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	2		
(32) Other and unspecified arthropod-borne viral and hemorrhagic fevers	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(34) Zoster (herpes zoster)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(38) Viral hepatitis	27	16	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Human immunodeficiency virus (HIV) disease	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	
(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(40) Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
(41) Human immunodeficiency virus (HIV) disease resulting in other specified diseases	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(43) Unspecified human immunodeficiency virus (HIV) disease	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
(44) All other and unspecified viral diseases	5	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Other and unspecified infectious and parasitic diseases and their sequelae	10	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
(45) Mycoses	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Helminthiases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
(52) Other and unspecified helminthiases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
(54) Sequelae of poliomyelitis	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(55) All other and unspecified infectious and parasitic diseases and their sequelae	6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
II. Neoplasms	1,961	1,011	950	-	-	1	2	-	-	1	-	-	1	2	1	-	2	2	1	2	2	3	1	3	7	11	
Malignant neoplasms	1,906	984	922	-	-	1	1	-	-	1	-	-	1	2	1	-	2	2	1	2	2	3	1	3	7	10	
Malignant neoplasms of lip, oral cavity and pharynx	21	11	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(57) Of tongue	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(58) Of pharynx	10	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(59) Of other and unspecified sites within the lip, oral cavity and pharynx	6	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malignant neoplasms of digestive organs	421	235	186	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	1	1	1	1	
(60) Of esophagus	59	45	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
(61) Of stomach	32	19	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
(62) Of small intestine	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Of colon, rectum and anus	161	74	87	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	AGE IN YEARS																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
All Causes	165	116	226	142	279	146	318	218	358	235	398	344	517	467	620	636	1,075	1,693
I. Certain infectious and parasitic diseases	4	6	9	3	8	5	4	7	4	5	-	7	9	8	9	9	10	21
Intestinal infectious diseases	-	-	-	-	-	-	-	1	-	-	-	-	1	3	1	2	2	4
Other intestinal infectious diseases	-	-	-	-	-	-	-	1	-	-	-	-	1	3	1	2	2	4
(7) Intestinal infections due to other specified organisms	-	-	-	-	-	-	-	1	-	-	-	-	1	3	1	2	2	4
Tuberculosis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
(10) Other tuberculosis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Zoonotic and other bacterial diseases	-	4	1	1	3	3	1	2	1	4	-	5	6	4	7	6	7	13
(18) Septicemia	-	4	1	1	3	3	1	2	1	4	-	5	6	4	7	6	7	12
(19) Other zoonotic and bacterial diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Viral diseases	3	1	7	2	5	2	2	3	3	1	-	2	1	1	-	-	1	2
(32) Other and unspecified arthropod-borne viral and hemorrhagic fevers	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-
(34) Zoster (herpes zoster)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
(38) Viral hepatitis	2	1	5	1	4	2	2	3	2	1	-	2	-	-	-	-	-	-
Human immunodeficiency virus (HIV) disease	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(40) Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(41) Human immunodeficiency virus (HIV) disease resulting in other specified diseases	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(43) Unspecified human immunodeficiency virus (HIV) disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(44) All other and unspecified viral diseases	1	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	1
Other and unspecified infectious and parasitic diseases and their sequelae	1	1	1	-	-	-	1	-	-	-	-	-	1	-	1	1	-	2
(45) Mycoses	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Helminthiases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(52) Other and unspecified helminthiases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(54) Sequelae of poliomyelitis	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-
(55) All other and unspecified infectious and parasitic diseases and their sequelae	1	1	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	2
II. Neoplasms	22	39	43	50	76	55	95	95	129	87	137	126	147	128	155	141	189	205
Malignant neoplasms	22	39	41	50	73	54	94	95	129	86	137	123	143	126	149	136	179	190
Malignant neoplasms of lip, oral cavity and pharynx	-	1	-	1	-	-	1	2	2	-	2	1	3	1	2	1	1	3
(57) Of tongue	-	-	-	-	-	-	-	-	2	-	1	1	-	-	-	-	1	-
(58) Of pharynx	-	-	-	-	-	-	1	1	-	-	-	-	3	1	2	1	-	1
(59) Of other and unspecified sites within the lip, oral cavity and pharynx	-	1	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	2
Malignant neoplasms of digestive organs	3	6	20	6	32	13	28	19	35	17	31	21	25	24	27	30	32	46
(60) Of esophagus	-	-	2	1	7	2	7	2	7	2	6	2	4	1	5	2	6	2
(61) Of stomach	-	1	3	1	-	1	3	3	2	2	5	-	4	2	1	2	-	1
(62) Of small intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1
Of colon, rectum and anus	1	2	7	1	6	5	9	5	10	6	10	10	8	9	6	15	17	31

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																							
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		40-44	
	Both	Male	Fem.	Male	Fem.	Male	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(63) Colon	136	63	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
(64) Rectosigmoid junction and rectum	23	11	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
(65) Anus and anal canal	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Of liver and intrahepatic bile ducts	47	33	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
(66) Liver	36	27	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
(67) Intrahepatic bile duct carcinoma	11	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(68) Of gallbladder and extrahepatic bile ducts	8	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(69) Of pancreas	107	60	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(70) Of other and ill-defined digestive organs	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malignant neoplasms of respiratory and intrathoracic organs	579	303	276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	
(71) Of nasal cavity, middle ear and accessory sinuses	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(72) Of larynx	14	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
(73) Of trachea, bronchus and lung	562	290	272	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	
(74) Of thymus, heart, mediastinum and pleura	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(76) Malignant neoplasms of bone and articular cartilage	3	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Melanoma and other malignant neoplasms of skin	37	18	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	
(77) Malignant melanoma of skin	31	16	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	
(78) Other malignant neoplasms of skin	6	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malignant neoplasms of mesothelial and soft tissue	27	20	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	
(79) Mesothelioma	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(81) Of other mesothelial and soft tissue	17	10	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	
(82) Malignant neoplasm of breast	116	-	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5		
Malignant neoplasms of female genital organs	91	-	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
(83) Of vulva and vagina	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(84) Of cervix uteri	9	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(85) Of corpus uteri and uterus, part unspecified	23	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(86) Of ovary	55	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
(87) Of other and unspecified female genital organs	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malignant neoplasms of male genital organs	117	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(89) Of prostate	115	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(90) Of testis	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malignant neoplasms of urinary tract	94	62	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(92) Of kidney and renal pelvis	37	23	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(93) Of bladder	54	38	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(95) Malignant neoplasm of eye and adnexa	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
Malignant neoplasms of meninges, brain and other parts of central nervous system	55	31	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	

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MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	AGE IN YEARS																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(63) Colon	1	2	6	1	4	5	7	5	8	6	8	7	8	6	5	12	16	28
(64) Rectosigmoid junction and rectum	-	-	1	-	2	-	2	-	2	-	2	3	-	2	1	3	1	3
(65) Anus and anal canal	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Of liver and intrahepatic bile ducts	2	-	4	-	7	-	1	-	5	4	1	1	3	-	8	5	2	3
(66) Liver	2	-	4	-	6	-	-	-	4	3	1	-	3	-	6	3	1	2
(67) Intrahepatic bile duct carcinoma	-	-	-	-	1	-	1	-	1	1	-	1	-	-	2	2	1	1
(68) Of gallbladder and extrahepatic bile ducts	-	-	-	-	-	1	1	-	1	-	-	-	-	4	-	-	-	1
(69) Of pancreas	-	3	4	3	12	4	7	8	10	3	8	8	6	5	6	6	7	7
(70) Of other and ill-defined digestive organs	-	-	-	-	-	-	-	1	-	-	1	-	-	2	-	-	-	-
Malignant neoplasms of respiratory and intrathoracic organs	6	10	6	15	22	15	35	31	48	29	48	43	54	50	46	46	37	35
(71) Of nasal cavity, middle ear and accessory sinuses	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(72) Of larynx	-	-	-	-	2	1	2	1	3	-	1	-	1	1	-	-	1	-
(73) Of trachea, bronchus and lung	5	10	6	15	20	14	33	30	45	29	46	43	53	48	46	46	36	35
(74) Of thymus, heart, mediastinum and pleura	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
(76) Malignant neoplasms of bone and articular cartilage	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Melanoma and other malignant neoplasms of skin	2	2	1	1	3	1	2	1	2	2	1	2	1	2	3	2	3	4
(77) Malignant melanoma of skin	2	2	1	1	3	1	2	1	2	1	1	1	1	2	2	1	2	3
(78) Other malignant neoplasms of skin	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	1	1	1
Malignant neoplasms of mesothelial and soft tissue	-	1	1	-	1	2	1	1	1	1	4	-	2	1	5	-	4	-
(79) Mesothelioma	-	-	-	-	1	-	-	-	-	-	3	-	1	-	4	-	1	-
(81) Of other mesothelial and soft tissue	-	1	1	-	-	2	1	1	1	1	1	-	1	1	1	-	3	-
(82) Malignant neoplasm of breast	-	6	-	12	-	5	-	18	-	11	-	11	-	13	-	6	-	28
Malignant neoplasms of female genital organs	-	5	-	6	-	9	-	9	-	10	-	16	-	8	-	11	-	16
(83) Of vulva and vagina	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
(84) Of cervix uteri	-	1	-	1	-	2	-	1	-	-	-	3	-	1	-	-	-	-
(85) Of corpus uteri and uterus, part unspecified	-	3	-	2	-	3	-	-	-	4	-	3	-	3	-	2	-	3
(86) Of ovary	-	1	-	2	-	4	-	8	-	6	-	9	-	4	-	9	-	11
(87) Of other and unspecified female genital organs	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Malignant neoplasms of male genital organs	-	-	2	-	3	-	6	-	4	-	11	-	19	-	26	-	46	-
(89) Of prostate	-	-	1	-	3	-	5	-	4	-	11	-	19	-	26	-	46	-
(90) Of testis	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms of urinary tract	1	-	3	1	1	1	6	4	6	-	8	5	12	3	10	6	15	12
(92) Of kidney and renal pelvis	1	-	2	1	1	1	2	3	3	-	3	4	6	1	2	1	3	3
(93) Of bladder	-	-	1	-	-	-	4	1	3	-	5	1	6	2	7	4	12	8
(95) Malignant neoplasm of eye and adnexa	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Malignant neoplasms of meninges, brain and other parts of central nervous system	3	2	7	3	5	4	-	-	4	2	4	5	3	2	1	4	2	1

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf>

TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

[illegible]

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf>

TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	AGE IN YEARS																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(96) Of brain	3	2	7	2	5	4	-	-	4	2	4	5	3	2	1	4	2	1
(97) Of other parts of central nervous system	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(98) Malignant neoplasms of thyroid and other endocrine glands	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1
(99) Other malignant neoplasms of other and unspecified sites	3	3	1	4	3	1	7	4	7	9	11	10	12	13	11	8	12	17
Malignant neoplasms of lymphoid, hematopoietic and related tissue	4	3	-	1	3	3	8	6	18	4	16	9	12	9	17	22	27	27
(100) Hodgkin 's disease	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Of other lymphoid, hematopoietic and related tissue	-	-	-	-	1	-	4	-	5	2	6	5	3	5	6	15	10	13
(101) Non-Hodgkin 's lymphoma	-	-	-	-	1	-	4	-	5	2	6	5	3	5	6	15	10	13
(103) Malignant immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
(104) Multiple myeloma and malignant plasma cell neoplasms	1	1	-	1	1	-	1	2	3	1	2	3	2	2	2	1	4	5
Leukemia	3	2	-	-	1	3	3	3	10	1	6	1	7	2	9	6	13	9
(105) Lymphoid leukemia	1	-	-	-	-	1	2	2	2	-	2	1	2	-	3	2	4	4
(106) Myeloid leukemia	1	2	-	-	1	1	1	-	7	-	3	-	1	2	2	3	4	3
(108) Other and unspecified leukemia	1	-	-	-	-	1	-	1	1	1	1	-	4	-	4	1	5	2
Benign neoplasms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
(112) Of eye, brain and other parts of central nervous system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
(114) Neoplasms of uncertain or unknown behavior of specified sites	-	-	1	-	3	1	1	-	-	1	-	3	3	2	6	4	9	15
(115) Neoplasm of uncertain or unknown behavior of unspecified sites	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
III. Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	-	-	-	-	-	-	-	-	2	-	1	1	-	2	-	2	3	9
Anemias	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	2	3	7
(116) Nutritional anemias	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
(117) Hemolytic anemias	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
(118) Aplastic anemias	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	1	1
(119) Acute posthemorrhagic and other anemias	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5
(120) Coagulation defects, purpura and other hemorrhagic conditions	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2
(122) Certain disorders involving the immune mechanism	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
IV. Endocrine, nutritional and metabolic diseases	6	3	9	6	10	12	20	10	22	13	17	15	21	20	22	27	33	53
Endocrine diseases	3	2	7	6	5	11	16	10	20	9	16	12	19	15	18	22	27	38
(123) Disorders of thyroid gland	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	3
(124) Diabetes mellitus	3	2	7	6	5	11	14	10	20	9	16	12	19	14	17	22	27	34
(125) Disorders of pituitary gland	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
(126) Disorders of adrenal glands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
(128) Other endocrine diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Nutritional diseases	3	-	2	-	2	-	2	-	1	4	-	3	1	4	2	2	1	4
Malnutrition	-	-	-	-	-	-	-	-	-	-	-	2	-	3	-	2	1	4
(130) Other and unspecified malnutrition	-	-	-	-	-	-	-	-	-	-	-	2	-	3	-	2	1	4

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																				
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(131) Other nutritional deficiencies	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(132) Obesity and other hyperalimentation	19	14	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Metabolic disorders	34	15	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
(133) Cystic fibrosis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	7	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(135) Other metabolic disorders	26	10	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
V. Mental and behavioral disorders	423	165	258	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2
(137) Other and unspecified organic mental disorders	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mental and behavioral disorders due to psychoactive substance use	42	30	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1
(138) Mental and behavioral disorders due to use of alcohol	36	26	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
(139) Mental and behavioral disorders due to other psychoactive substance use	6	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
(140) Schizophrenia, schizotypal and delusional disorders	5	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(141) Mood (affective) disorders	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(143) Mental retardation	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
VI. Diseases of the nervous system	480	196	284	2	1	-	-	-	-	-	-	1	1	1	-	1	1	1	2	-	-	-	2	1
(145) Meningitis	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(146) Other inflammatory diseases of central nervous system	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(147) Parkinson's disease	80	43	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(148) Alzheimer's disease	260	83	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(149) Multiple sclerosis	26	7	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
(150) Epilepsy	6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(152) Infantile cerebral palsy	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(153) All other diseases of nervous system	103	58	45	1	1	-	-	-	-	-	-	1	1	1	-	1	1	1	2	-	-	-	1	1
(155) VIII. Diseases of the ear and mastoid process	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX. Diseases of the circulatory system	2,520	1,307	1,213	-	2	-	1	-	-	-	1	-	1	-	1	-	2	2	3	-	2	6	2	-
Acute rheumatic fever and chronic rheumatic heart diseases	14	3	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart diseases	14	3	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(157) Rheumatic mitral valve diseases	6	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(159) Disorders of both mitral and aortic valves	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(160) Other chronic rheumatic heart diseases	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertensive diseases	133	54	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
(161) Essential (primary) hypertension	109	43	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(162) Hypertensive heart disease	54	24	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(163) Hypertensive renal disease and secondary hypertension	20	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
(164) Hypertensive heart and renal disease	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ischemic heart diseases	1,053	670	383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-
(165) Acute myocardial infarction	289	181	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-
(166) Other acute ischemic heart diseases	7	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other forms of chronic ischemic heart disease	757	487	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
(167) Atherosclerotic cardiovascular disease, so described	220	150	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(168) All other forms of chronic ischemic heart disease	537	337	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Other heart diseases	735	334	401	-	1	-	1	-	-	-	1	-	1	-	1	-	2	1	3	-	1	1	-	-
Pulmonary heart disease and diseases of pulmonary circulation	42	17	25	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
(169) Pulmonary embolism	21	9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	AGE IN YEARS																			
	40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(131) Other nutritional deficiencies	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
(132) Obesity and other hyperalimentation	-	-	3	-	2	-	2	-	2	-	1	3	-	1	1	1	2	-	-	-
Metabolic disorders	-	-	-	1	-	-	3	1	2	-	1	-	1	-	1	1	2	3	5	11
(133) Cystic fibrosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	3	1
(135) Other metabolic disorders	-	-	-	1	-	-	3	1	2	-	1	-	-	-	1	1	1	2	2	10
V. Mental and behavioral disorders	2	1	2	2	6	4	3	1	8	4	3	5	10	6	14	19	35	41	80	173
(137) Other and unspecified organic mental disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Mental and behavioral disorders due to psychoactive substance use	2	1	2	2	6	2	3	1	6	1	2	2	3	1	3	1	-	-	1	-
(138) Mental and behavioral disorders due to use of alcohol	2	1	2	2	6	2	2	1	5	1	2	2	3	-	3	1	-	-	-	-
(139) Mental and behavioral disorders due to other psychoactive substance use	-	-	-	-	-	-	1	-	1	-	-	-	-	1	-	-	-	-	1	-
(140) Schizophrenia, schizotypal and delusional disorders	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-	1
(141) Mood (affective) disorders	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	1
(143) Mental retardation	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-
VI. Diseases of the nervous system	2	4	5	3	6	9	5	6	6	7	12	12	13	14	26	36	31	48	82	139
(145) Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(146) Other inflammatory diseases of central nervous system	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
(147) Parkinson's disease	-	-	-	-	-	-	-	-	-	-	2	3	3	1	11	5	11	10	16	18
(148) Alzheimer's disease	-	-	-	-	-	-	-	-	-	2	1	2	5	10	6	22	12	27	59	114
(149) Multiple sclerosis	-	-	1	-	2	3	-	-	1	4	-	3	-	1	1	2	1	3	-	3
(150) Epilepsy	-	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	-	-
(152) Infantile cerebral palsy	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
(153) All other diseases of nervous system	2	3	2	3	3	6	5	4	5	1	9	4	5	2	8	6	6	6	7	4
(155) VIII. Diseases of the ear and mastoid process	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
IX. Diseases of the circulatory system	17	9	39	16	65	18	79	26	108	52	98	44	117	80	167	111	197	204	408	642
Acute rheumatic fever and chronic rheumatic heart diseases	-	-	-	-	1	-	-	1	-	-	-	1	-	1	-	1	1	3	1	4
Chronic rheumatic heart diseases	-	-	-	-	1	-	-	1	-	-	-	1	-	1	-	1	1	3	1	4
(157) Rheumatic mitral valve diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	1	1
(159) Disorders of both mitral and aortic valves	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
(160) Other chronic rheumatic heart diseases	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	1	-	2
Hypertensive diseases	-	-	5	-	4	2	6	4	7	1	3	-	6	2	-	4	5	10	17	56
(161) Essential (primary) hypertension	-	-	5	-	4	2	5	4	6	1	3	-	5	2	-	3	2	7	13	47
(162) Hypertensive heart disease	-	-	5	-	2	2	4	4	5	1	1	-	2	1	-	-	-	4	5	18
(163) Hypertensive renal disease and secondary hypertension	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-	1	3	3	3	6
(164) Hypertensive heart and renal disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
Ischemic heart diseases	12	2	24	4	41	9	49	10	71	23	56	20	68	28	89	46	89	77	167	164
(165) Acute myocardial infarction	3	-	8	1	13	2	13	5	24	4	18	7	21	9	21	16	19	18	38	46
(166) Other acute ischemic heart diseases	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	3	1	1
Other forms of chronic ischemic heart disease	9	2	16	3	28	7	36	5	46	19	38	13	47	19	68	29	70	56	128	117
(167) Atherosclerotic cardiovascular disease, so described	-	-	6	1	11	4	15	3	21	8	16	9	17	9	25	6	17	17	22	13
(168) All other forms of chronic ischemic heart disease	9	2	10	2	17	3	21	2	25	11	22	4	30	10	43	23	53	39	106	104
Other heart diseases	3	2	5	7	9	1	10	7	12	8	23	15	28	19	37	36	56	58	145	241
Pulmonary heart disease and diseases of pulmonary circulation	-	1	2	3	1	-	-	2	-	2	1	3	3	1	4	1	2	1	3	9
(169) Pulmonary embolism	-	1	2	2	1	-	-	-	-	2	1	3	1	-	2	1	-	1	1	1

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																							
				0 YR.		1 YR.	2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		40-44		
	Both	Male	Fem.	Male	Fem.	Male	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(170) Other pulmonary heart disease and diseases of pulmonary circulation	21	8	13	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other non-pulmonary forms of heart disease	693	317	376	-	-	-	1	-	-	-	1	-	1	-	1	-	2	1	2	-	1	-	-	-	3	1	
(171) Acute and subacute endocarditis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(172) Diseases of pericardium and acute myocarditis	3	1	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other diseases of endocardium	113	52	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	
(173) Nonrheumatic mitral valve disorders	10	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
(174) Nonrheumatic aortic valve disorders	71	34	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(175) All other diseases of endocardium	32	15	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
(176) Cardiomyopathy	38	22	16	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
(177) Conduction disorders and cardiac dysrhythmias	175	86	89	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-	-	-	-	2	1		
Heart failure	326	139	187	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
(178) Congestive heart failure	284	125	159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(179) Other and unspecified heart failure	42	14	28	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
(180) Myocarditis, unspecified and myocardial degeneration	2	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
(181) All other and ill-defined forms of heart disease	35	16	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cerebrovascular diseases	437	168	269	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	4	-	
(182) Subarachnoid hemorrhage	21	11	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	
(183) Intracerebral and other intracranial hemorrhage	77	25	52	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
(184) Cerebral infarction	10	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(185) Stroke, not specified as hemorrhage or infarction	243	87	156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	
(186) Other cerebrovascular diseases and their sequelae	86	40	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diseases of arteries, arterioles and capillaries	133	70	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	1	1	
(187) Atherosclerosis	24	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(188) Aortic aneurysm and dissection	70	41	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	
(189) Other diseases of arteries, arterioles and capillaries	39	17	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	
Other disorders of circulatory system	15	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	10	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
(191) All other and unspecified disorders of circulatory system	5	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
X. Diseases of the respiratory system	981	469	512	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	1	
Other diseases of the respiratory system	981	469	512	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	1	
(195) Influenza	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pneumonia	175	75	100	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	
(197) Bacterial pneumonia	9	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
(198) Pneumonia due to other or unspecified organisms	166	67	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	AGE IN YEARS																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(170) Other pulmonary heart disease and diseases of pulmonary circulation	-	1	-	-	-	2	-	-	-	-	2	1	2	-	2	-	2	8
Other non-pulmonary forms of heart disease	3	4	8	1	10	5	12	6	22	12	25	18	33	35	54	57	142	232
(171) Acute and subacute endocarditis	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
(172) Diseases of pericardium and acute myocarditis	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Other diseases of endocardium	1	1	1	1	2	1	2	2	5	-	4	3	4	3	6	15	27	33
(173) Nonrheumatic mitral valve disorders	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1	2	4
(174) Nonrheumatic aortic valve disorders	1	-	1	-	1	-	-	1	5	-	2	1	2	2	3	8	19	25
(175) All other diseases of endocardium	-	1	-	-	1	1	2	1	-	-	2	2	1	1	3	6	6	4
(176) Cardiomyopathy	1	-	4	-	-	-	-	1	1	3	-	1	2	2	4	2	8	7
(177) Conduction disorders and cardiac dysrhythmias	1	-	-	-	6	1	7	1	10	4	10	5	6	10	14	19	28	46
Heart failure	-	1	3	-	1	1	2	2	5	3	9	8	19	17	30	20	70	134
(178) Congestive heart failure	-	1	3	-	1	1	2	2	5	3	8	7	18	17	27	17	61	111
(179) Other and unspecified heart failure	-	-	-	-	-	-	-	-	-	-	1	1	1	-	3	3	9	23
(180) Myocarditis, unspecified and myocardial degeneration	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(181) All other and ill-defined forms of heart disease	-	-	-	-	1	2	1	-	1	1	2	-	2	3	-	1	9	12
Cerebrovascular diseases	4	4	5	4	7	3	11	13	12	8	8	19	29	23	31	40	60	149
(182) Subarachnoid hemorrhage	-	1	-	3	2	-	1	-	4	1	1	1	-	1	-	-	2	1
(183) Intracerebral and other intracranial hemorrhage	2	2	-	1	2	3	1	3	1	2	1	4	4	8	5	4	9	23
(184) Cerebral infarction	1	-	-	-	-	-	-	1	-	-	-	1	2	-	2	-	-	3
(185) Stroke, not specified as hemorrhage or infarction	-	1	4	-	3	-	8	6	3	3	4	10	16	11	17	28	32	95
(186) Other cerebrovascular diseases and their sequelae	1	-	1	-	-	-	1	3	4	2	2	3	7	3	7	8	17	27
Diseases of arteries, arterioles and capillaries	1	1	5	-	5	1	7	6	4	-	7	10	12	1	13	16	15	25
(187) Atherosclerosis	-	-	2	-	-	-	2	2	-	-	1	2	4	-	-	3	3	5
(188) Aortic aneurysm and dissection	1	1	1	-	5	1	4	2	3	-	6	6	6	1	9	6	5	11
(189) Other diseases of arteries, arterioles and capillaries	-	-	2	-	-	-	1	2	1	-	-	2	2	-	4	7	7	9
Other disorders of circulatory system	-	-	-	2	2	-	-	1	-	-	-	1	-	-	2	-	3	3
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	-	-	-	1	2	-	-	1	-	-	-	1	-	-	1	-	1	2
(191) All other and unspecified disorders of circulatory system	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	2	1
X. Diseases of the respiratory system	5	5	9	10	13	10	23	19	44	38	64	54	78	89	100	86	129	199
Other diseases of the respiratory system	5	5	9	10	13	10	23	19	44	38	64	54	78	89	100	86	129	199
(195) Influenza	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	-	1
Pneumonia	-	1	2	1	1	2	1	1	2	2	5	3	10	10	12	15	39	65
(197) Bacterial pneumonia	-	-	-	1	-	-	-	-	1	-	1	-	-	-	3	-	1	-
(198) Pneumonia due to other or unspecified organisms	-	1	2	-	1	2	1	1	1	2	4	3	10	10	9	15	38	65

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																						
				0 YR.		1 YR.	2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		40-44	
	Both	Male	Fem.	Male	Fem.	Male	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.		
(201) Other diseases of upper respiratory tract	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chronic lower respiratory diseases	604	300	304	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Bronchitis, chronic and unspecified, emphysema and asthma	602	300	302	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
(204) Emphysema	62	32	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(205) Other chronic obstructive pulmonary disease	534	267	267	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(206) Asthma	6	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
(207) Bronchiectasis	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lung diseases due to external agents	90	43	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
(208) Pneumoconioses and chemical effects	7	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pneumonitis due to solids and liquids	82	37	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
(209) Pneumonitis due to food and vomit	82	37	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
(211) Other lung diseases due to external agents	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(212) Suppurative and necrotic conditions of lower respiratory tract	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(213) Pleural effusion and plaque	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(214) All other diseases of respiratory system	98	45	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XI. Diseases of the digestive system	366	181	185	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	3	2	4	8	6
Diseases of other parts of digestive system	366	181	185	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	3	2	4	8	6
(216) Diseases of esophagus	9	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Peptic ulcer	11	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(217) Gastric ulcer	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(218) Duodenal ulcer	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(219) Peptic ulcer, site unspecified	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(221) Gastritis and duodenitis	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(222) Dyspepsia and other diseases of stomach and duodenum	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
(223) Diseases of appendix	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(224) Hernia	7	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
(225) Crohn 's disease and ulcerative colitis	5	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
(226) Vascular disorders and obstruction of intestine without hernia	48	12	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
(227) Diverticular disease of intestine	12	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(228) Other diseases of intestines and peritoneum	22	11	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
(229) Diseases of peritoneum	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diseases of liver	172	108	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1	3	7	6	
(230) Alcoholic liver disease	97	72	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1	3	4	3	
(232) Fibrosis and cirrhosis of liver	42	22	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	
(233) Other diseases of liver	33	14	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	
(234) Cholelithiasis and other disorders of gallbladder	15	5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Disorders of biliary tract and pancreas	16	4	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
(235) Pancreatitis	9	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
(236) Other disorders of biliary tract and pancreas	7	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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MONTANA RESIDENTS, 2007

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	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(201) Other diseases of upper respiratory tract	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Chronic lower respiratory diseases	4	1	6	6	9	6	18	15	34	33	50	45	56	61	65	50	57	86
Bronchitis, chronic and unspecified, emphysema and asthma	4	1	6	6	9	6	18	15	34	33	50	45	56	61	65	50	57	84
(204) Emphysema	2	-	-	-	1	-	4	4	3	6	5	3	2	5	10	5	5	7
(205) Other chronic obstructive pulmonary disease	2	1	5	6	8	6	14	11	31	27	45	41	54	56	55	44	52	75
(206) Asthma	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	1	-	2
(207) Bronchiectasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Lung diseases due to external agents	1	1	-	1	1	2	1	-	1	1	4	2	7	8	14	6	14	25
(208) Pneumoconioses and chemical effects	-	-	-	-	-	-	-	-	1	-	1	-	2	-	-	1	1	1
Pneumonitis due to solids and liquids	1	1	-	1	1	2	-	-	-	1	3	2	5	8	14	5	13	24
(209) Pneumonitis due to food and vomit	1	1	-	1	1	2	-	-	-	1	3	2	5	8	14	5	13	24
(211) Other lung diseases due to external agents	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
(212) Suppurative and necrotic conditions of lower respiratory tract	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1
(213) Pleural effusion and plaque	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2
(214) All other diseases of respiratory system	-	2	1	2	2	-	1	2	7	2	4	4	5	9	9	13	16	19
XI. Diseases of the digestive system	15	12	21	11	24	10	15	9	17	7	12	13	16	15	19	30	28	64
Diseases of other parts of digestive system	15	12	21	11	24	10	15	9	17	7	12	13	16	15	19	30	28	64
(216) Diseases of esophagus	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	1	2	3
Peptic ulcer	-	-	-	1	1	1	-	-	-	-	-	1	1	-	1	1	4	-
(217) Gastric ulcer	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	3	-
(218) Duodenal ulcer	-	-	-	-	1	1	-	-	-	-	-	-	1	-	-	-	1	-
(219) Peptic ulcer, site unspecified	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
(221) Gastritis and duodenitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
(222) Dyspepsia and other diseases of stomach and duodenum	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
(223) Diseases of appendix	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-
(224) Hernia	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	-	1	1
(225) Crohn 's disease and ulcerative colitis	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-	-
(226) Vascular disorders and obstruction of intestine without hernia	-	-	-	1	-	-	-	-	-	2	1	2	3	3	1	12	6	16
(227) Diverticular disease of intestine	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	1	5
(228) Other diseases of intestines and peritoneum	-	1	2	-	-	1	2	-	1	-	1	-	2	-	-	1	1	8
(229) Diseases of peritoneum	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	2
Diseases of liver	15	10	18	9	22	6	12	7	14	3	8	5	3	7	7	2	1	3
(230) Alcoholic liver disease	13	4	12	7	14	3	9	1	8	-	6	-	1	1	3	-	1	-
(232) Fibrosis and cirrhosis of liver	1	4	5	1	6	-	1	2	2	2	-	3	2	6	3	1	-	1
(233) Other diseases of liver	1	2	1	1	2	3	2	4	4	1	2	2	-	-	1	1	-	2
(234) Cholelithiasis and other disorders of gallbladder	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	2	3	6
Disorders of biliary tract and pancreas	-	-	-	-	-	1	-	-	1	1	-	-	1	2	-	2	1	6
(235) Pancreatitis	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	1	-	4
(236) Other disorders of biliary tract and pancreas	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	1	1	2

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																							
				0 YR.		1 YR.	2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		40-44		
	Both	Male	Fem.	Male	Fem.	Male	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(237) All other diseases of digestive system	35	15	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
XII. Diseases of the skin and subcutaneous tissue	6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(238) Infections of skin and subcutaneous tissue	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(239) Other and unspecified diseases of skin and subcutaneous tissue	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XIII. Diseases of the musculoskeletal system and connective tissue	70	21	49	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	16	4	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(241) Systemic lupus erythematosus	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(242) Other arthropathies and related disorders	19	5	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(243) Dorsopathies	5	2	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
(244) Soft tissue disorders	9	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	18	4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(245) Osteoporosis	13	1	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	5	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XIV. Diseases of the genitourinary system	166	74	92	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	
Diseases of urinary system	162	73	89	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	
Glomerular and renal tubulo-interstitial diseases	8	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Glomerular diseases	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(249) Other and unspecified glomerular diseases	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(250) Renal tubulo-interstitial diseases	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(251) Renal failure	106	51	55	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	
(252) Urolithiasis	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(254) Urinary tract infection, site not specified	41	16	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(255) Other diseases of urinary system	5	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diseases of male genital organs	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(257) Other diseases of male genital organs	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(258) Disorders of breast	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Disorders of female genital organs	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(260) Noninflammatory disorders of female genital tract	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XV. Pregnancy, childbirth and the puerperium	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	
Other direct obstetric deaths	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
(266) Eclampsia and pre-eclampsia	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
(272) Other deaths related to pregnancy, childbirth and the puerperium	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
(273) Indirect obstetric deaths	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	AGE IN YEARS																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(237) All other diseases of digestive system	-	-	-	-	-	1	1	-	-	-	1	1	4	-	1	5	7	13
XII. Diseases of the skin and subcutaneous tissue	1	-	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-	1
(238) Infections of skin and subcutaneous tissue	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1
(239) Other and unspecified diseases of skin and subcutaneous tissue	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-
XIII. Diseases of the musculoskeletal system and connective tissue	-	2	-	4	2	2	-	1	2	5	1	1	3	7	7	6	5	21
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	-	-	-	1	-	1	-	-	-	2	1	1	1	1	1	1	1	5
(241) Systemic lupus erythematosus	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
(242) Other arthropathies and related disorders	-	1	-	2	1	1	-	1	-	1	-	-	-	3	2	3	2	2
(243) Dorsopathies	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	1
(244) Soft tissue disorders	-	-	-	-	1	-	-	-	1	-	-	-	1	1	1	-	2	2
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	1	-	11
(245) Osteoporosis	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	10
(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	-	1
XIV. Diseases of the genitourinary system	3	3	1	-	1	1	4	2	2	6	7	10	4	13	16	11	35	44
Diseases of urinary system	3	3	1	-	1	1	3	2	2	6	7	10	4	12	16	11	35	42
Glomerular and renal tubulo-interstitial diseases	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	2	3
Glomerular diseases	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-
(249) Other and unspecified glomerular diseases	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-
(250) Renal tubulo-interstitial diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3
(251) Renal failure	2	3	1	-	1	-	2	2	1	5	5	6	4	6	11	8	23	24
(252) Urolithiasis	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
(254) Urinary tract infection, site not specified	-	-	-	-	-	-	1	-	1	1	1	2	-	6	5	1	8	15
(255) Other diseases of urinary system	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	2	-
Diseases of male genital organs	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
(257) Other diseases of male genital organs	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
(258) Disorders of breast	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Disorders of female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
(260) Noninflammatory disorders of female genital tract	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
XV. Pregnancy, childbirth and the puerperium	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other direct obstetric deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(266) Eclampsia and pre-eclampsia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(272) Other deaths related to pregnancy, childbirth and the puerperium	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(273) Indirect obstetric deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																						
				0 YR.		1 YR.	2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		40-44	
	Both	Male	Fem.	Male	Fem.	Male	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
XVI. Certain conditions originating in the perinatal period	20	12	8	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(274) Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	4	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(275) Disorders related to short gestation and low birth weight, not elsewhere classified	4	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(278) Respiratory distress of newborn	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(279) Other respiratory conditions originating in the perinatal period	2	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(280) Infections specific to the perinatal period	2	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(281) Other and unspecified conditions originating in the perinatal period	7	3	4	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XVII. Congenital malformations, deformations and chromosomal abnormalities	34	20	14	15	10	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
(284) All other congenital malformations of nervous system	5	1	4	1	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(285) Congenital malformations of heart	10	7	3	4	2	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(286) Other congenital malformations of circulatory system	2	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(287) Congenital malformations of respiratory system	3	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(288) Other congenital malformations and deformations	8	6	2	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
(289) Down 's syndrome	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(290) All other chromosomal abnormalities, not elsewhere classified	5	3	2	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	191	73	118	12	9	1	2	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	3	1	3
(291) Senility	49	12	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill-defined and unknown causes of mortality	72	34	38	11	9	1	2	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	1	1	3
(292) Sudden infant death syndrome	11	6	5	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(293) Other ill-defined and unknown causes of mortality	61	28	33	5	4	1	2	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	1	1	3
(294)All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	70	27	43	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
XX. External causes of mortality	856	572	284	-	2	3	3	1	2	-	5	4	10	5	19	8	59	19	47	15	25	13	35	16	35	24
Accidents (unintentional injuries)	603	379	224	-	1	3	3	1	2	-	4	2	6	5	16	5	41	17	32	11	15	8	20	13	23	16
Transport accidents	291	204	87	-	-	1	1	1	1	-	2	2	3	5	13	5	26	13	22	8	12	5	12	9	16	8
(295) Railway accidents	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Motor vehicle accidents	259	181	78	-	-	1	1	1	1	-	2	2	2	5	13	5	24	13	17	7	8	5	10	9	15	7
(296) Pedestrian involved in collision with motor vehicle	14	10	4	-	-	-	1	1	-	-	-	1	1	-	1	-	1	-	-	-	1	-	1	-	-	-
(297) Pedalcyclist involved in collision with motor vehicle	4	3	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(298) Motorcyclist involved in any accident except collision with railway train	32	28	4	-	-	-	-	-	-	-	-	-	-	-	2	1	2	-	2	-	1	1	1	-	1	-
(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	36	26	10	-	-	1	-	-	-	-	-	-	-	-	2	-	7	1	3	2	1	-	1	3	1	-

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MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	AGE IN YEARS																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
XVI. Certain conditions originating in the perinatal period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(274) Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(275) Disorders related to short gestation and low birth weight, not elsewhere classified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(278) Respiratory distress of newborn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(279) Other respiratory conditions originating in the perinatal period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(280) Infections specific to the perinatal period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(281) Other and unspecified conditions originating in the perinatal period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XVII. Congenital malformations, deformations and chromosomal abnormalities	-	-	1	-	1	-	-	-	-	1	-	1	-	-	-	-	-	-
(284) All other congenital malformations of nervous system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(285) Congenital malformations of heart	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
(286) Other congenital malformations of circulatory system	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
(287) Congenital malformations of respiratory system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(288) Other congenital malformations and deformations	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
(289) Down's syndrome	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(290) All other chromosomal abnormalities, not elsewhere classified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	4	3	2	3	5	1	-	-	2	4	3	4	5	5	6	8	29	73
(291) Senility	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1	-	10	34
Ill-defined and unknown causes of mortality	2	3	2	2	2	-	-	-	1	2	3	1	1	1	1	2	6	12
(292) Sudden infant death syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(293) Other ill-defined and unknown causes of mortality	2	3	2	2	2	-	-	-	1	2	3	1	1	1	1	2	6	12
(294) All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	2	-	-	1	3	1	-	-	1	2	-	1	3	3	4	6	13	27
XX. External causes of mortality	59	22	54	23	52	17	35	12	21	7	15	12	27	14	22	22	44	48
Accidents (unintentional injuries)	35	12	35	13	29	11	27	9	14	6	12	12	18	14	13	21	31	47
Transport accidents	19	4	22	7	15	4	12	2	7	6	7	3	8	1	4	2	1	2
(295) Railway accidents	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Motor vehicle accidents	17	2	20	5	13	4	11	2	7	4	6	3	8	1	4	2	1	1
(296) Pedestrian involved in collision with motor vehicle	2	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-
(297) Pedalcyclist involved in collision with motor vehicle	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
(298) Motorcyclist involved in any accident except collision with railway train	3	-	6	1	5	-	2	-	-	1	2	-	1	-	-	-	-	-
(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	3	-	3	-	1	1	2	-	1	-	-	-	-	1	-	-	-	-

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf>

TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																						
				0 YR.		1 YR.	2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		40-44	
	Both	Male	Fem.	Male	Fem.	Male	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	63	34	29	-	-	-	-	-	1	-	1	1	-	-	1	1	2	7	3	1	3	2	6	2	3	3
(304) Occupant of motor vehicle involved in noncollision accident	72	50	22	-	-	-	-	-	-	-	-	-	-	4	7	2	10	5	6	3	2	1	1	1	6	2
(305) Occupant of special-use motor vehicle involved in any accident	14	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	
(306) Other and unspecified motor vehicle accidents	32	21	11	-	-	-	-	-	-	-	-	-	1	1	-	1	3	-	3	1	1	-	1	1	2	-
(308) Other and unspecified land transport accidents	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-
(309) Water transport accidents	2	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
(310) Air and space transport accidents	11	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	3	-	-	-	-	-	-
(311) Other and unspecified transport accidents and their sequelae	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-
Falls	109	45	64	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	2	-	-	1
(312) Fall on same level	47	19	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
(313) Fall from one level to another	12	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-
(314) Unspecified fall	50	18	32	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
(315) Accidental discharge of firearms	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
(316) Accidental explosion	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(317) Accidental drowning and submersion	17	15	2	-	-	2	2	-	-	-	2	-	1	-	1	-	2	-	-	1	-	-	1	-	1	-
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	14	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
(319) Other accidental and unspecified threats to breathing	7	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	1	1	-
(320) Accidental exposure to electric current	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(322) Accidental exposure to smoke, fire and flames	10	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-
(324) Lightning	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-
Accidental poisoning and exposure to noxious substances	84	49	35	-	-	-	-	-	-	-	-	-	2	-	1	-	7	4	5	1	3	3	4	3	1	5
(327) Accidental poisoning by and exposure to drugs and other biological substances	70	40	30	-	-	-	-	-	-	-	-	-	2	-	-	-	5	3	5	1	3	3	4	3	1	4
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	9	6	3	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-	-	-	1
(329) Accidental poisoning by and exposure to other gases and vapors	5	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
(330) All other and unspecified accidents and their sequelae	64	39	25	-	-	-	-	-	1	-	-	-	-	-	-	-	3	-	-	1	-	-	-	-	3	-
Intentional self-harm (suicide)	192	152	40	-	-	-	-	-	-	-	1	2	3	-	2	1	12	2	9	1	10	4	10	2	10	7
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	29	15	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3	-	2	1	1	2	-

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	AGE IN YEARS																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	2	1	1	2	2	3	1	1	4	3	1	1	2	-	1	1	-	-
(304) Occupant of motor vehicle involved in noncollision accident	4	-	5	1	2	-	1	1	1	-	1	2	2	-	2	-	-	-
(305) Occupant of special-use motor vehicle involved in any accident	1	-	1	-	1	-	2	-	1	-	2	-	2	-	-	-	-	-
(306) Other and unspecified motor vehicle accidents	3	1	2	1	1	-	2	-	-	2	1	-	1	-	-	1	-	2
(308) Other and unspecified land transport accidents	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(309) Water transport accidents	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
(310) Air and space transport accidents	1	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
(311) Other and unspecified transport accidents and their sequelae	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falls	2	-	2	1	3	3	5	3	3	-	2	4	6	8	4	14	13	30
(312) Fall on same level	1	-	-	1	2	1	2	2	1	-	2	3	3	3	3	5	4	13
(313) Fall from one level to another	1	-	-	-	1	-	2	-	-	-	-	-	-	1	-	2	1	1
(314) Unspecified fall	-	-	2	-	-	2	1	1	2	-	-	1	3	4	1	7	8	16
(315) Accidental discharge of firearms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(316) Accidental explosion	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(317) Accidental drowning and submersion	-	-	-	-	1	-	-	-	-	-	1	1	1	-	-	-	-	-
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	-	-	-	-	-	-	2	-	1	-	-	1	3	1	1	-	3	1
(319) Other accidental and unspecified threats to breathing	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
(320) Accidental exposure to electric current	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
(322) Accidental exposure to smoke, fire and flames	1	-	-	1	-	-	1	-	1	-	1	1	-	1	-	-	-	-
(324) Lightning	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental poisoning and exposure to noxious substances	9	8	7	4	4	2	3	3	1	-	-	1	-	-	1	1	1	-
(327) Accidental poisoning by and exposure to drugs and other biological substances	8	8	6	3	3	2	1	2	1	-	-	1	-	-	1	-	-	-
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	-	-	1	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-
(329) Accidental poisoning by and exposure to other gases and vapors	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-
(330) All other and unspecified accidents and their sequelae	4	-	2	-	5	1	3	1	1	-	1	1	-	3	3	4	13	14
Intentional self-harm (suicide)	17	6	16	6	20	5	6	3	6	1	2	-	8	-	8	-	12	-
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	2	3	2	4	3	2	-	-	-	1	-	-	-	-	-	-	-	-

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf>

TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																						
				0 YR.		1 YR.	2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		40-44	
	Both	Male	Fem.	Male	Fem.	Male	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(332) Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(333) Intentional self-poisoning (suicide) by and exposure to other gases and vapors	11	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1	-
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	26	19	7	-	-	-	-	-	-	-	-	1	2	-	-	-	1	2	2	-	3	-	2	1	1	1
(335) Intentional self-harm (suicide) by discharge of firearms	118	103	15	-	-	-	-	-	-	-	1	1	1	-	2	1	10	-	4	-	3	4	4	-	7	4
(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Assault (homicide)	23	17	6	-	-	-	-	-	-	-	-	-	1	-	1	2	4	-	4	1	-	-	-	1	2	-
(339) Assault (homicide) by hanging, strangulation and suffocation	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
(340) Assault (homicide) by discharge of firearms	14	11	3	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	3	-	-	-	-	-	2	-
(341) Assault (homicide) by sharp object	5	4	1	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1	1	-	-	-	-	-	-
(346) Assault (homicide) by all other and unspecified means and their sequelae	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Event of undetermined intent	26	15	11	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	2	-	1	5	-	-	1
(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	22	12	10	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	2	-	1	4	-	-	1
(352) All other and unspecified events of undetermined intent and their sequelae	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Legal intervention	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
354 Other legal intervention and their sequelae	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Complications of medical and surgical care	10	7	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(356) Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(358) Other complications of medical and surgical care and their sequelae	9	6	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE D-1
FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH*	AGE IN YEARS																	
	45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(332) Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
(333) Intentional self-poisoning (suicide) by and exposure to other gases and vapors	1	1	1	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	1	2	3	-	3	-	-	-	1	-	-	-	-	-	-	-	-	-
(335) Intentional self-harm (suicide) by discharge of firearms	12	-	9	2	11	2	5	1	5	-	2	-	8	-	7	-	12	-
(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	1	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
Assault (homicide)	2	1	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
(339) Assault (homicide) by hanging, strangulation and suffocation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(340) Assault (homicide) by discharge of firearms	1	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
(341) Assault (homicide) by sharp object	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(346) Assault (homicide) by all other and unspecified means and their sequelae	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Event of undetermined intent	4	3	1	3	1	1	1	-	-	-	-	-	-	-	-	-	-	-
(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	4	2	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
(352) All other and unspecified events of undetermined intent and their sequelae	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Legal intervention	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
354 Other legal intervention and their sequelae	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Complications of medical and surgical care	-	-	1	-	1	-	-	-	1	-	1	-	1	-	1	1	1	1
(356) Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
(358) Other complications of medical and surgical care and their sequelae	-	-	1	-	1	-	-	-	-	-	1	-	1	-	1	1	1	1

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf>

TABLE D-2
FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES**
MONTANA RESIDENTS, 2007

CAUSE OF DEATH**	TOTAL											
	TOTAL				Male				Female			
	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other
All causes	8,570	8,083	454	33	4,342	4,081	246	15	4,228	4,002	208	18
(3) Certain other intestinal infections	14	12	2	-	4	4	-	-	10	8	2	-
(#) Tuberculosis	1	1	-	-	-	-	-	-	1	1	-	-
(5) Other tuberculosis	1	1	-	-	-	-	-	-	1	1	-	-
(9#) Septicemia	71	66	5	-	28	26	2	-	43	40	3	-
(14#) Viral hepatitis	27	24	3	-	16	14	2	-	11	10	1	-
(15#) Human immunodeficiency virus (HIV) disease	5	5	-	-	4	4	-	-	1	1	-	-
(17) Other and unspecified infectious and parasitic diseases and their sequelae	20	18	2	-	10	9	1	-	10	9	1	-
(#) Malignant neoplasms	1,906	1,814	81	11	984	933	46	5	922	881	35	6
(18) Malignant neoplasms of lip, oral cavity and pharynx	21	19	2	-	11	9	2	-	10	10	-	-
(19) Malignant neoplasm of esophagus	59	58	1	-	45	44	1	-	14	14	-	-
(20) Malignant neoplasm of stomach	32	29	3	-	19	18	1	-	13	11	2	-
(21) Malignant neoplasms of colon, rectum and anus	161	149	9	3	74	68	4	2	87	81	5	1
(22) Malignant neoplasms of liver and intrahepatic bile ducts	47	41	5	1	33	30	3	-	14	11	2	1
(23) Malignant neoplasm of pancreas	107	105	1	1	60	58	1	1	47	47	-	-
(24) Malignant neoplasm of larynx	14	14	-	-	11	11	-	-	3	3	-	-
(25) Malignant neoplasms of trachea, bronchus and lung	562	533	25	4	290	274	15	1	272	259	10	3
(26) Malignant melanoma of skin	31	30	1	-	16	15	1	-	15	15	-	-
(27) Malignant neoplasm of breast	116	113	3	-	-	-	-	-	116	113	3	-
(28) Malignant neoplasm of cervix uteri	9	9	-	-	-	-	-	-	9	9	-	-
(29) Malignant neoplasms of corpus uteri and uterus, part unspecified	23	22	1	-	-	-	-	-	23	22	1	-
(30) Malignant neoplasm of ovary	55	55	-	-	-	-	-	-	55	55	-	-
(31) Malignant neoplasm of prostate	115	112	2	1	115	112	2	1	-	-	-	-
(32) Malignant neoplasms of kidney and renal pelvis	37	33	4	-	23	19	4	-	14	14	-	-
(33) Malignant neoplasm of bladder	54	50	3	1	38	36	2	-	16	14	1	1
(34) Malignant neoplasms of meninges, brain and other parts of central nervous system	55	53	2	-	31	30	1	-	24	23	1	-
Malignant neoplasms of lymphoid, hematopoietic and related tissue	199	190	9	-	112	107	5	-	87	83	4	-
(35) Hodgkin's disease	1	1	-	-	-	-	-	-	1	1	-	-
(36) Non-Hodgkin's lymphoma	75	73	2	-	35	34	1	-	40	39	1	-
(37) Leukemia	89	84	5	-	59	56	3	-	30	28	2	-
(38) Multiple myeloma and immunoproliferative neoplasms	34	32	2	-	18	17	1	-	16	15	1	-
(40) All other and unspecified malignant neoplasms	209	199	10	-	106	102	4	-	103	97	6	-
(41#) In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	55	54	1	-	27	27	-	-	28	27	1	-
(42#) Anemias	16	16	-	-	6	6	-	-	10	10	-	-
(43#) Diabetes mellitus	258	232	24	2	136	122	13	1	122	110	11	1
Nutritional deficiencies	13	12	1	-	1	1	-	-	12	11	1	-
(44) Malnutrition	12	11	1	-	1	1	-	-	11	10	1	-
(45) Other nutritional deficiencies	1	1	-	-	-	-	-	-	1	1	-	-
(46#) Meningitis	1	1	-	-	1	1	-	-	-	-	-	-
(47#) Parkinson's disease	80	77	3	-	43	41	2	-	37	36	1	-
(48#) Alzheimer's disease	260	254	6	-	83	81	2	-	177	173	4	-
Major cardiovascular diseases	2,505	2,410	88	7	1,299	1,246	48	5	1,206	1,164	40	2
# Diseases of heart	1,860	1,792	63	5	1,032	990	38	4	828	802	25	1
(49) Acute rheumatic fever and chronic rheumatic heart diseases	14	13	1	-	3	3	-	-	11	10	1	-
(50) Hypertensive heart disease	54	54	-	-	24	24	-	-	30	30	-	-
(51) Hypertensive heart and renal disease	4	4	-	-	1	1	-	-	3	3	-	-
Ischemic heart diseases	1,053	1,009	40	4	670	642	24	4	383	367	16	-
(52) Acute myocardial infarction	289	274	11	4	181	171	6	4	108	103	5	-
(53) Other acute ischemic heart diseases	7	7	-	-	2	2	-	-	5	5	-	-
Other forms of chronic ischemic heart disease	757	728	29	-	487	469	18	-	270	259	11	-
(54) Atherosclerotic cardiovascular disease, so described	220	214	6	-	150	146	4	-	70	68	2	-
(55) All other forms of chronic ischemic heart disease	537	514	23	-	337	323	14	-	200	191	9	-
Other heart diseases	735	712	22	1	334	320	14	-	401	392	8	1
(57) Diseases of pericardium and acute myocarditis	3	2	1	-	1	-	1	-	2	2	-	-
(59) All other forms of heart disease	405	392	13	-	194	185	9	-	211	207	4	-
(60#) Essential hypertension and hypertensive renal disease	75	74	1	-	29	29	-	-	46	45	1	-
(61#) Cerebrovascular diseases	437	419	17	1	168	161	7	-	269	258	10	1
(62#) Atherosclerosis	24	24	-	-	12	12	-	-	12	12	-	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED

**LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT

<http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/113causes.pdf>. THOSE MARKED WITH A "#" SIGN ARE RANKABLE AS LEADING CAUSES.

+ AMERICAN INDIAN OR ALASKA NATIVE

TABLE D-2
FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES**
MONTANA RESIDENTS, 2007

CAUSE OF DEATH**	TOTAL											
	TOTAL				Male				Female			
	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other
Other diseases of circulatory system	109	101	7	1	58	54	3	1	51	47	4	-
(63#) Aortic aneurysm and dissection	70	64	5	1	41	38	2	1	29	26	3	-
(64) Other diseases of arteries, arterioles and capillaries	39	37	2	-	17	16	1	-	22	21	1	-
(65) Other disorders of circulatory system	15	14	1	-	8	8	-	-	7	6	1	-
(#) Influenza and pneumonia	180	175	4	1	76	72	3	1	104	103	1	-
(66) Influenza	5	5	-	-	1	1	-	-	4	4	-	-
(67) Pneumonia	175	170	4	1	75	71	3	1	100	99	1	-
(#) Chronic lower respiratory diseases	604	573	28	3	300	287	12	1	304	286	16	2
(71) Emphysema	62	61	1	-	32	32	-	-	30	29	1	-
(72) Asthma	6	6	-	-	1	1	-	-	5	5	-	-
(73) Other chronic lower respiratory diseases	536	506	27	3	267	254	12	1	269	252	15	2
(74#) Pneumoconioses and chemical effects	7	7	-	-	5	5	-	-	2	2	-	-
(75#) Pneumonitis due to solids and liquids	82	79	3	-	37	36	1	-	45	43	2	-
(76) Other diseases of respiratory system	108	99	9	-	51	44	7	-	57	55	2	-
(77#) Peptic ulcer	11	11	-	-	7	7	-	-	4	4	-	-
(78#) Diseases of appendix	3	3	-	-	3	3	-	-	-	-	-	-
(79#) Hernia	7	7	-	-	5	5	-	-	2	2	-	-
(#) Chronic liver disease and cirrhosis	139	108	31	-	94	76	18	-	45	32	13	-
(80) Alcoholic liver disease	97	74	23	-	72	59	13	-	25	15	10	-
(81) Other chronic liver disease and cirrhosis	42	34	8	-	22	17	5	-	20	17	3	-
(82#) Cholelithiasis and other disorders of gallbladder	15	15	-	-	5	5	-	-	10	10	-	-
(#) Nephritis, nephrotic syndrome and nephrosis	109	103	6	-	52	52	-	-	57	51	6	-
(84) Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified	3	3	-	-	1	1	-	-	2	2	-	-
(85) Renal failure	106	100	6	-	51	51	-	-	55	49	6	-
(87#) Infections of kidney	3	3	-	-	-	-	-	-	3	3	-	-
(#) Pregnancy, childbirth and the puerperium	4	4	-	-	-	-	-	-	4	4	-	-
(91) Other complications of pregnancy childbirth and the puerperium	4	4	-	-	-	-	-	-	4	4	-	-
(92#) Certain conditions originating in the perinatal period	20	16	4	-	12	11	1	-	8	5	3	-
(93#) Congenital malformations deformations and chromosomal abnormalities	34	30	4	-	20	19	1	-	14	11	3	-
(94) Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	191	178	10	3	73	62	10	1	118	116	-	2
(95) All other diseases (Residual)	953	912	39	2	383	366	17	-	570	546	22	2
(#) Accidents (unintentional injuries)	603	524	75	4	379	333	45	1	224	191	30	3
Transport accidents	291	239	49	3	204	173	30	1	87	66	19	2
(96) Motor vehicle accidents	266	217	46	3	184	156	27	1	82	61	19	2
(97) Other land transport accidents	6	4	2	-	4	2	2	-	2	2	-	-
(98) Water, air and space, and other and unspecified transport accidents and their sequelae	18	18	-	-	15	15	-	-	3	3	-	-
Nontransport accidents	312	285	26	1	175	160	15	-	137	125	11	1
(99) Falls	109	105	3	1	45	43	2	-	64	62	1	1
(100) Accidental discharge of firearms	1	1	-	-	1	1	-	-	-	-	-	-
(101) Accidental drowning and submersion	17	13	4	-	15	11	4	-	2	2	-	-
(102) Accidental exposure to smoke, fire and flames	10	8	2	-	5	3	2	-	5	5	-	-
(103) Accidental poisoning and exposure to noxious substances	84	73	11	-	49	46	3	-	35	27	8	-
(104) Other and unspecified nontransport accidents and their sequelae	91	85	6	-	60	56	4	-	31	29	2	-
(#) Intentional self-harm (suicide)	192	180	12	-	152	144	8	-	40	36	4	-
(105) Intentional self-harm (suicide) by discharge of firearms	118	114	4	-	103	100	3	-	15	14	1	-
(106) Intentional self-harm (suicide) by other and unspecified means and their sequelae	74	66	8	-	49	44	5	-	25	22	3	-
(#) Assault (homicide)	23	15	8	-	17	12	5	-	6	3	3	-
(107) Assault (homicide) by discharge of firearms	14	13	1	-	11	10	1	-	3	3	-	-
(108) Assault (homicide) by other and unspecified means and their sequelae	9	2	7	-	6	2	4	-	3	-	3	-
(109#) Legal intervention	2	2	-	-	2	2	-	-	-	-	-	-
vents of undetermined intent	26	22	4	-	15	13	2	-	11	9	2	-
(111) Other and unspecified events of undetermined intent and their sequelae	26	22	4	-	15	13	2	-	11	9	2	-
(113#) Complications of medical and surgical care	10	10	-	-	7	7	-	-	3	3	-	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED

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+ AMERICAN INDIAN OR ALASKA NATIVE

TABLE D-3
FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1930 - 2007

YEAR OF DEATH	ACCIDENTS - MOTOR VEHICLE		ACCIDENTS - OTHER		ACCIDENTS - TOTAL		ALCOHOLISM		CANCER		DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +
1930	106	19.7	392	72.9	498	92.6	69	12.8	424	78.9	87	16.2	759	141.2	57	10.6	395	73.5	425	79.1	136	25.3
1935	161	29.3	391	71.2	552	100.5	14	2.5	528	96.2	112	20.4	1,299	236.6	34	6.2	355	64.7	674	122.8	96	17.5
1940	154	27.5	385	68.8	539	96.3	41	7.3	640	114.4	109	19.5	1,447	258.6	29	5.2	295	52.7	321	57.4	120	21.4
1945	118	23.4	380	75.3	498	98.7	13	2.6	658	130.4	129	25.6	1,603	317.7	19	3.8	279	55.3	196	38.8	79	15.7
1946	166	31.8	351	67.3	517	99.1	15	2.9	662	126.8	137	26.3	1,629	312.1	22	4.2	276	52.9	235	45.0	98	18.8
1947	157	29.1	380	70.5	537	99.6	19	3.5	712	132.0	130	24.1	1,690	313.4	14	2.6	266	49.3	223	41.4	96	17.8
1948	165	29.6	410	73.7	575	103.3	14	2.5	724	130.1	118	21.2	1,803	324.0	15	2.7	247	44.4	189	34.0	88	15.8
1949	152	26.5	400	69.7	552	96.2	17	3.0	729	127.0	102	17.8	2,002	348.9	21	3.7	129	22.5	144	25.1	89	15.5
1950	190	32.1	355	60.1	545	92.2	14	2.4	733	124.0	49	8.3	1,957	331.1	24	4.1	80	13.5	157	26.6	123	20.8
1951	187	31.4	338	56.7	525	88.1	17	2.9	726	121.8	58	9.7	2,159	362.2	15	2.5	85	14.3	121	20.3	85	14.3
1952	235	39.0	329	54.7	564	93.7	13	2.2	798	132.6	83	13.8	2,032	337.5	17	2.8	120	19.9	147	24.4	84	14.0
1953	228	37.0	306	49.7	534	86.7	17	2.8	809	131.3	73	11.9	2,164	351.3	23	3.7	77	12.5	180	29.2	106	17.2
1954	219	35.1	312	50	531	85.1	19	3.0	868	139.1	95	15.2	2,128	341.0	29	4.6	90	14.4	179	28.7	104	16.7
1955	239	37.6	310	48.7	549	86.3	28	4.4	829	130.3	108	17.0	2,116	332.7	21	3.3	94	14.8	155	24.4	79	12.4
1956	265	40.4	309	47.1	574	87.5	22	3.4	932	142.1	98	14.9	2,165	330.0	32	4.9	83	12.7	211	32.2	98	14.9
1957	219	32.8	322	48.3	541	81.1	20	3.0	877	131.5	118	17.7	2,290	343.3	23	3.4	71	10.6	249	37.3	105	15.7
1958	206	30.9	291	43.7	497	74.6	18	2.7	859	129.0	109	16.4	2,244	336.9	17	2.6	53	8.0	260	39.0	101	15.2
1959	258	38.6	307	45.9	565	84.5	15	2.2	920	137.5	123	18.4	2,382	356.1	29	4.3	58	8.7	231	34.5	97	14.5
1960	226	33.5	284	42.1	510	75.6	13	1.9	958	142.0	102	15.1	2,332	345.6	25	3.7	51	7.6	227	33.6	107	15.9
1961	270	39.6	248	36.4	518	76.0	18	2.6	965	141.5	117	17.2	2,269	332.7	21	3.1	41	6.0	219	32.1	96	14.1
1962	232	32.7	318	44.9	550	77.6	19	2.7	911	128.5	121	17.1	2,204	310.9	21	3.0	63	8.9	195	27.5	110	15.5
1963	218	30.8	299	42.3	517	73.1	12	1.7	896	126.7	125	17.7	2,340	331.0	22	3.1	42	5.9	218	30.8	115	16.3
1964	250	35.5	398	56.5	648	91.9	13	1.8	986	139.9	139	19.7	2,368	335.9	30	4.3	45	6.4	226	32.1	80	11.3
1965	268	38.0	323	45.8	591	83.7	14	2.0	933	132.2	114	16.1	2,297	325.4	20	2.8	35	5.0	198	28.0	94	13.3
1966	265	37.7	295	42.0	560	79.8	24	3.4	969	138.0	106	15.1	2,415	344.0	23	3.3	42	6.0	230	32.8	96	13.7
1967	318	45.4	289	41.2	607	86.6	12	1.7	1,001	142.8	143	20.4	2,297	327.7	31	4.4	38	5.4	196	28.0	100	14.3
1968	262	37.8	273	39.4	535	77.2	29	4.2	1,080	155.8	119	17.2	2,223	320.8	25	3.6	20	2.9	213	30.7	97	14.0
1969	329	47.4	306	44.1	635	91.5	10	1.4	1,041	150	117	16.9	2,297	331.0	31	4.5	21	3.0	201	29.0	91	13.1
1970	290	41.8	281	40.5	571	82.2	25	3.6	1,059	152.5	111	16.0	2,229	321.0	30	4.3	26	3.7	213	30.7	79	11.4
1971	310	43.7	299	42.1	609	85.8	19	2.7	1,051	148.0	120	16.9	2,339	329.4	43	6.1	19	2.7	210	29.6	117	16.5
1972	360	50.1	275	38.2	635	88.3	17	2.4	1,122	156.1	135	18.8	2,294	319.1	32	4.5	17	2.4	220	30.6	87	12.1
1973	324	44.9	287	39.8	611	84.7	20	2.8	1,061	147.2	126	17.5	2,300	319.0	46	6.4	27	3.7	236	32.7	108	15.0
1974	272	37.0	287	39.0	559	76.1	14	1.9	1,130	153.7	103	14.0	2,202	299.6	44	6.0	20	2.7	192	26.1	122	16.6
1975	282	37.7	302	40.4	584	78.1	28	3.7	1,105	147.7	122	16.3	2,178	291.2	42	5.6	19	2.5	185	24.7	112	15.0
1976	291	38.6	288	38.2	579	76.9	23	3.1	1,191	158.2	100	13.3	2,178	289.2	38	5.0	17	2.3	207	27.5	129	17.1
1977	302	39.7	272	35.7	574	75.4	25	3.3	1,184	155.6	89	11.7	2,149	282.4	53	7.0	24	3.2	144	18.9	143	18.8
1978	276	35.2	282	35.9	558	71.1	23	2.9	1,233	157.1	114	14.5	2,169	276.3	40	5.1	20	2.5	199	25.4	122	15.5
1979	313	39.8	283	36.0	596	75.8	22	2.8	1,240	157.8	94	12.0	2,302	292.9	39	5.0	46	5.9	143	18.2	123	15.6
1980	311	39.5	259	32.9	570	72.5	25	3.2	1,291	164.1	103	13.1	2,332	296.4	40	5.1	43	5.5	169	21.5	116	14.7
1981	308	38.8	245	30.9	553	69.7	32	4.0	1,343	169.4	95	12.0	2,279	287.4	47	5.9	70	8.8	171	21.6	137	17.3
1982	236	29.5	235	29.3	471	58.8	30	3.7	1,384	172.8	115	14.4	2,236	279.2	36	4.5	57	7.1	196	24.5	126	15.7
1983	267	32.7	249	30.5	516	63.2	16	2.0	1,350	165.2	103	12.6	2,241	274.3	33	4.0	62	7.6	219	26.8	143	17.5
1984	233	28.3	207	25.1	440	53.4	18	2.2	1,467	178.0	113	13.7	2,270	275.5	37	4.5	57	6.9	204	24.8	137	16.6
1985	210	25.4	207	25.1	417	50.5	20	2.4	1,445	174.9	123	14.9	2,201	266.5	49	5.9	58	7.0	211	25.5	144	17.4
1986	228	27.8	175	21.4	403	49.2	27	3.3	1,475	180.1	109	13.3	2,196	268.1	41	5.0	40	4.9	205	25.0	181	22.1
1987	223	27.6	193	23.9	416	51.4	22	2.7	1,516	187.4	116	14.3	2,109	260.7	39	4.8	60	7.4	192	23.7	159	19.7
1988	200	24.8	168	20.9	368	45.7	22	2.7	1,561	193.9	154	19.1	2,057	255.5	35	4.3	60	7.5	219	27.2	153	19.0
1989	171	21.2	189	23.5	360	44.7	16	2.0	1,593	197.7	170	21.1	2,019	250.6	32	4.0	47	5.8	224	27.8	159	19.7
1990	210	26.2	188	23.5	398	49.7	21	2.6	1,630	203.7	154	19.2	1,947	243.3	35	4.4	48	6.0	213	26.6	167	20.9
1991	183	22.6	201	24.8	384	47.4	19	2.3	1,656	204.5	181	22.4	1,944	240.1	36	4.4						

TABLE D-4
FREQUENCY OF DEATH FROM SELECTED CAUSES
BY MONTANA COUNTY OF RESIDENCE, 2007

COUNTY	TOTAL	CAUSE OF DEATH												
		ACCIDENTS	APPENDICITIS	CANCER	CEREBROVASCULAR DISEASE*	DIABETES	HEART DISEASE	INFLUENZA	MENINGITIS	NEPHRITIS	PNEUMONIA	POLIOMYELITIS	TUBERCULOSIS	~ALL OTHER CAUSES
MONTANA TOTAL	8570	603	3	1906	437	258	1860	5	1	109	175	2	1	3210
BEAVERHEAD	77	5	0	23	3	4	16	0	0	0	3	0	0	23
BIG HORN	122	17	0	17	5	6	17	0	0	3	5	0	0	52
BLAINE	63	5	0	12	3	2	8	0	0	2	2	0	0	29
BROADWATER	53	6	0	14	0	2	14	0	0	2	4	0	0	11
CARBON	92	6	0	20	5	3	14	0	0	1	0	1	0	42
CARTER	15	0	0	3	0	0	7	0	0	0	0	0	0	5
CASCADE	733	40	0	150	42	25	153	0	0	8	17	0	0	298
CHOUTEAU	63	2	0	22	3	1	12	0	0	1	0	0	0	22
CUSTER	145	10	0	39	14	3	26	0	0	2	6	0	0	45
DANIELS	26	1	0	7	1	1	8	1	0	2	0	0	0	5
DAWSON	102	3	0	19	8	4	21	0	0	3	1	0	0	43
DEER LODGE	101	11	0	20	3	2	30	0	0	1	1	0	0	33
FALLON	49	7	0	18	2	0	4	0	0	3	0	0	0	15
FERGUS	162	11	0	34	9	2	41	0	0	2	8	0	0	55
FLATHEAD	739	64	1	179	37	15	137	1	0	10	14	0	0	281
GALLATIN	427	37	0	82	24	10	100	0	0	3	10	0	0	161
GARFIELD	14	3	0	0	0	2	1	0	0	1	1	0	0	6
GLACIER	126	15	0	25	3	3	30	0	0	2	3	0	0	45
GOLDEN VALLEY	17	2	0	8	0	1	4	0	0	0	0	0	0	2
GRANITE	15	0	0	3	1	0	2	0	0	1	0	0	0	8
HILL	152	20	0	32	7	2	36	0	0	2	3	0	0	50
JEFFERSON	76	11	0	29	4	4	9	0	0	0	0	0	0	19
JUDITH BASIN	17	4	0	2	1	0	4	0	0	0	1	0	0	5
LAKE	290	31	0	63	15	9	56	0	0	2	5	0	0	109
LEWIS & CLARK	509	29	0	123	21	9	113	0	0	6	12	0	0	196
LIBERTY	21	2	0	3	2	1	5	0	0	0	2	0	0	6
LINCOLN	234	18	0	70	17	10	54	0	0	3	2	0	0	60
MADISON	74	5	0	23	2	2	13	0	0	0	2	0	0	27
MCCONE	24	1	0	6	1	1	11	0	0	0	0	0	0	4
MEAGHER	23	0	0	5	1	1	7	0	0	0	0	0	0	9
MINERAL	45	4	0	11	1	0	12	0	0	0	1	0	0	16
MISSOULA	718	47	1	155	31	26	157	0	0	8	13	0	1	279
MUSSELSHELL	63	3	0	15	3	4	15	0	0	0	0	0	0	23
PARK	145	9	0	26	3	8	37	0	0	3	5	0	0	54
PETROLEUM	2	0	0	1	0	1	0	0	0	0	0	0	0	0
PHILLIPS	53	2	0	12	2	2	14	0	0	0	1	0	0	20
PONDERA	73	7	0	19	4	4	6	0	0	0	3	0	0	30
POWDER RIVER	20	0	0	7	2	1	3	1	0	0	0	0	0	6
POWELL	65	2	0	17	4	3	17	0	0	0	0	0	0	22
PRAIRIE	12	2	0	3	0	0	2	0	0	1	2	0	0	2
RAVALLI	362	28	0	88	15	6	65	0	0	8	6	0	0	146
RICHLAND	96	8	0	19	5	2	20	0	0	0	3	0	0	39
ROOSEVELT	106	12	0	17	7	8	19	0	0	2	2	0	0	39
ROSEBUD	67	10	0	17	4	1	13	0	0	2	4	0	0	16
SANDERS	111	5	0	25	9	6	24	0	0	0	1	0	0	41
SHERIDAN	60	4	0	17	0	0	17	0	0	2	6	0	0	14
SILVER BOW	405	19	0	75	16	11	117	0	0	3	2	0	0	162
STILLWATER	65	8	0	12	6	2	16	0	0	1	1	0	0	19
SWEET GRASS	40	2	0	8	1	5	11	0	0	0	3	0	0	10
TETON	63	5	0	9	4	3	13	0	0	0	0	0	0	29
TOOLE	49	2	0	7	2	2	12	0	0	2	2	0	0	20
TREASURE	5	0	0	2	0	0	0	0	0	0	0	0	0	3
VALLEY	81	4	0	14	5	4	22	0	0	2	1	0	0	29
WHEATLAND	24	2	0	5	1	1	7	0	0	0	0	1	0	7
WIBAUX	19	0	0	4	2	1	4	0	0	1	2	0	0	5
YELLOWSTONE	1258	52	1	270	76	32	283	2	1	14	15	0	0	512
YELLOWSTONE PARK	0	0	0	0	0	0	0	0	0	0	0	0	0	0
~NOT STATED	2	0	0	0	0	0	1	0	0	0	0	0	0	1

*INCLUDES "STROKE"

TABLE D-5
FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND YEAR OF DEATH
MONTANA, 1960 - 2007

YEAR OF DEATH	ALL CANCERS		PROSTATE	BREAST		TRACHEA, LUNG, & BRONCHUS		COLON, RECTUM, & ANUS		BLADDER		UTERUS	HODGKIN'S & NON-HODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
1960	557	401	78	-	85	121	17	81	56	16	7	20	32	9	25	30	20	26	199	136
1961	524	441	62	-	98	115	23	78	76	20	7	17	22	14	27	30	21	27	197	131
1962	528	383	65	-	84	109	12	64	54	15	3	14	26	14	28	44	22	21	205	131
1963	543	353	59	1	68	103	16	71	51	19	8	16	31	13	20	32	21	20	227	120
1964	577	409	78	1	79	114	13	65	57	19	6	20	32	11	26	40	16	32	228	149
1965	546	387	71	-	78	121	23	73	66	20	4	15	25	17	23	43	17	23	193	121
1966	571	398	59	-	87	125	16	65	63	23	5	23	26	18	24	45	16	15	228	131
1967	549	452	66	-	98	121	26	81	63	26	6	19	20	17	37	39	18	28	196	140
1968	604	476	66	-	96	150	23	64	59	38	4	18	33	16	38	46	31	22	207	169
1969	619	422	66	-	93	158	28	83	71	26	7	15	34	23	19	39	23	13	213	130
1970	598	461	75	2	101	152	34	66	74	31	9	14	23	17	26	43	24	20	206	142
1971	643	408	70	3	88	177	35	78	58	35	8	11	23	15	17	35	27	18	222	131
1972	637	485	79	-	92	164	44	85	69	25	7	16	17	20	25	37	34	16	230	162
1973	580	481	86	-	85	172	37	67	87	19	8	9	19	21	25	30	42	15	187	152
1974	629	501	76	1	88	196	48	79	80	25	5	19	31	24	28	33	42	22	188	145
1975	629	476	74	-	85	167	53	81	70	20	4	20	20	20	30	33	34	15	234	145
1976	684	507	92	-	107	197	58	90	70	24	13	18	30	17	29	31	35	9	220	151
1977	677	507	81	-	90	207	60	82	66	28	7	16	28	13	35	42	34	13	209	173
1978	703	530	113	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153
1979	672	568	99	1	105	194	69	77	84	27	12	23	17	18	39	37	31	20	220	167
1980	743	548	91	-	98	237	75	83	82	23	9	14	26	26	34	49	36	15	234	159
1981	712	631	109	-	125	207	92	84	84	21	15	13	25	31	40	36	29	9	230	193
1982	757	627	120	2	130	218	92	82	70	27	11	32	18	21	37	42	31	15	248	188
1983	732	618	92	2	112	218	90	73	64	24	3	20	30	22	45	38	54	12	255	196
1984	763	704	88	1	124	231	128	83	91	17	11	28	28	26	38	43	39	16	272	203
1985	829	616	118	1	108	223	118	100	84	44	8	23	27	26	35	48	31	15	268	168
1986	791	684	134	-	130	233	124	91	85	30	12	25	26	22	42	37	43	17	240	184
1987	832	684	121	3	124	259	117	103	95	23	7	23	34	29	50	28	39	9	261	191
1988	831	730	110	4	117	251	163	95	74	25	16	17	35	34	44	41	50	16	270	199
1989	880	713	150	-	127	257	133	106	105	33	9	18	41	18	43	35	40	17	258	203
1990	863	767	130	-	151	267	140	92	88	25	17	28	30	42	35	33	50	11	286	205
1991	894	762	118	1	122	289	175	95	87	31	8	20	42	37	42	46	53	13	272	205
1992	927	783	147	-	143	279	162	86	79	25	14	22	39	32	45	31	60	14	320	212
1993	941	797	158	3	138	278	172	107	94	24	12	21	37	37	43	48	45	19	286	216
1994	975	765	133	1	123	283	174	99	85	35	9	18	45	33	45	51	43	12	328	223
1995	918	847	125	-	159	263	201	89	83	40	6	19	43	36	51	57	55	8	301	229
1996	942	820	125	-	143	291	194	95	86	20	9	20	39	47	41	38	42	13	334	225
1997	958	821	151	-	116	264	212	100	80	32	13	18	58	40	54	44	37	11	309	240
1998	1,009	807	125	2	118	321	204	95	70	36	13	27	44	35	46	54	38	12	332	244
1999	978	867	128	3	122	288	217	93	92	29	13	19	32	52	52	49	40	15	356	245
2000	1,008	853	108	2	130	279	204	108	90	37	17	26	41	30	50	57	43	13	376	250
2001	1,045	907	124	-	124	322	256	105	80	39	15	23	56	35	43	39	61	7	360	263
2002	959	942	110	2	150	287	240	100	84	28	11	31	38	29	64	45	44	9	349	280
2003	961	877	109	1	115	298	236	78	86	34	13	20	41	43	50	48	41	12	352	261
2004	963	895	130	1	138	262	240	80	69	39	16	29	49	37	52	58	55	10	344	249
2005	1,020	927	129	-	134	301	249	99	88	33	14	33	44	36	59	60	53	11	354	250
2006	1,023	917	129	-	111	287	237	100	104	30	9	28	41	31	50	66	62	10	370	275
2007	984	922	115	-	116	290	272	74	87	38	16	23	35	41	55	60	47	9	372	256

TABLE D-6
FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2007

COUNTY	ALL CANCERS		OTHER CANCERS		OVARY	PROSTATE	TRACHEA, LUNG, & BRONCHUS		PANCREAS		COLON, RECTUM, & ANUS		BREAST	HODGKIN'S & NON-HODGKIN'S LYMPHOMA		BLADDER		UTERUS	CERVIX
	MALE	FEM.	MALE	FEM.	FEM.	MALE	MALE	FEM.	MALE	FEM.	MALE	FEM.	FEM.	MALE	FEM.	MALE	FEM.	FEM.	FEM.
MONTANA TOTAL	984	922	372	256	55	115	290	272	60	47	74	87	116	35	41	38	16	23	9
BEAVERHEAD	13	10	2	4	-	2	4	2	1	-	1	1	2	1	1	2	-	-	-
BIG HORN	8	9	4	3	-	-	3	1	-	-	-	1	2	1	1	-	1	-	-
BLAINE	7	5	1	1	1	-	4	2	1	-	-	1	-	1	-	-	-	-	-
BROADWATER	8	6	2	1	1	1	4	2	-	-	1	1	1	-	-	-	-	-	-
CARBON	6	14	1	6	1	2	2	6	1	-	-	-	1	-	-	-	-	-	-
CARTER	1	2	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-
CASCADE	83	67	35	14	4	5	30	28	-	2	4	5	8	4	4	5	1	1	-
CHOUTEAU	10	12	3	4	1	3	1	2	-	-	2	2	-	1	2	-	1	-	-
CUSTER	20	19	10	4	-	2	7	5	-	1	1	2	2	-	3	-	1	1	-
DANIELS	4	3	1	1	-	1	-	1	-	-	1	1	1	-	-	1	-	-	-
DAWSON	9	10	4	1	-	2	2	5	1	-	-	2	2	-	-	-	-	-	-
DEER LODGE	7	13	3	7	1	2	2	2	-	-	-	-	1	-	2	-	-	-	-
FALLON	8	10	3	1	-	1	2	3	-	-	2	2	3	-	-	-	-	1	-
FERGUS	20	14	7	5	-	4	5	6	2	-	2	2	1	-	-	-	-	-	-
FLATHEAD	86	93	27	31	3	11	29	20	5	7	5	10	12	2	4	7	2	2	2
GALLATIN	36	46	16	11	5	2	6	12	4	2	5	2	11	1	-	2	1	2	-
GLACIER	16	9	8	3	-	3	-	4	2	1	2	-	-	-	-	1	-	1	-
GOLDEN VALLEY	3	5	2	1	-	-	1	3	-	-	-	-	1	-	-	-	-	-	-
GRANITE	2	1	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-
HILL	15	17	9	3	1	-	4	7	2	-	-	3	3	-	-	-	-	-	-
JEFFERSON	19	10	4	2	1	3	9	1	-	-	2	1	4	-	-	1	-	1	-
JUDITH BASIN	1	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	28	35	11	12	4	4	9	5	3	2	1	5	3	-	1	-	-	3	-
LEWIS & CLARK	59	64	27	18	2	9	14	24	3	3	2	2	9	2	3	2	1	1	1
LIBERTY	2	1	1	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
LINCOLN	33	37	12	11	3	2	9	13	4	2	2	4	1	2	1	2	-	2	-
MCCONE	3	3	1	2	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-
MADISON	15	8	5	1	-	2	5	2	1	-	-	2	2	1	-	1	-	1	-
MEAGHER	2	3	2	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
MINERAL	6	5	2	3	-	-	3	2	-	-	1	-	-	-	-	-	-	-	-
MISSOULA	85	70	27	14	9	6	37	17	4	6	4	6	11	3	5	4	2	-	-
MUSSELSHELL	11	4	4	1	-	1	4	-	1	1	1	1	1	-	-	-	-	-	-
PARK	11	15	4	4	1	2	3	4	-	-	1	2	2	-	1	1	1	-	-
PETROLEUM	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	6	6	-	-	-	-	2	2	-	-	3	1	2	1	-	-	1	-	-
PONDERA	12	7	6	3	1	3	3	1	-	-	-	-	-	-	-	-	-	1	1
POWDER RIVER	4	3	1	1	-	2	-	2	-	-	-	-	-	1	-	-	-	-	-
POWELL	9	8	2	3	-	1	4	1	1	1	-	1	1	1	-	-	-	-	1
PRAIRIE	3	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-
RAVALLI	48	40	19	11	2	4	11	11	3	3	3	4	5	5	3	3	-	1	-
RICHLAND	10	9	1	4	-	4	3	1	1	-	1	1	2	-	1	-	-	-	-
ROOSEVELT	13	4	7	2	-	2	2	-	1	-	1	-	1	-	1	-	-	-	-
ROSEBUD	9	8	4	4	1	1	-	1	1	-	2	1	1	1	-	-	-	-	-
SANDERS	11	14	4	1	1	1	3	4	-	1	1	3	2	2	1	-	-	-	1
SHERIDAN	10	7	4	3	-	1	2	-	-	-	1	1	1	1	-	1	1	1	-
SILVER BOW	33	42	14	10	1	4	11	17	2	3	2	3	4	-	-	-	1	2	1
STILLWATER	7	5	3	-	-	2	2	4	-	-	-	-	-	-	1	-	-	-	-
SWEET GRASS	2	6	2	2	-	-	-	2	-	-	-	1	1	-	-	-	-	-	-
TETON	6	3	2	1	-	1	1	2	2	-	-	-	-	-	-	-	-	-	-
TOOLE	5	2	2	-	-	1	1	2	-	-	1	-	-	-	-	-	-	-	-
TREASURE	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-
VALLEY	7	7	4	1	1	-	3	1	-	1	-	1	-	-	2	-	-	-	-
WHEATLAND	2	3	2	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
WIBAUX	2	2	-	1	-	-	-	1	1	-	-	-	-	-	-	1	-	-	-
YELLOWSTONE	145	125	55	35	9	18	38	40	12	9	16	10	12	3	4	3	2	2	2

TABLE D-7
FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND UP TO 130 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007

CAUSE OF DEATH**	TOTAL				1 TO 7 DAYS			8 TO 28 DAYS		29 DAYS TO ONE YEAR			
	TOTAL	WHITE	+AI/AN	OTHER	TOTAL	WHITE	+AI/AN	TOTAL	WHITE	TOTAL	WHITE	+AI/AN	OTHER
All Causes	76	61	13	2	31	24	7	12	12	33	25	6	2
Certain infectious and parasitic diseases	1	1	-	-	-	-	-	-	-	1	1	-	-
(8#) Septicemia	1	1	-	-	-	-	-	-	-	1	1	-	-
Diseases of the nervous system	3	3	-	-	-	-	-	-	-	3	3	-	-
(33#) Meningitis	1	1	-	-	-	-	-	-	-	1	1	-	-
(34#) Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	1	1	-	-	-	-	-	-	-	1	1	-	-
(37) Other diseases of nervous system	1	1	-	-	-	-	-	-	-	1	1	-	-
(#) Diseases of the circulatory system	2	2	-	-	-	-	-	-	-	2	2	-	-
(39) Pulmonary heart disease and diseases of pulmonary circulation	1	1	-	-	-	-	-	-	-	1	1	-	-
(43) Cerebrovascular diseases	1	1	-	-	-	-	-	-	-	1	1	-	-
Diseases of the respiratory system	1	1	-	-	-	-	-	-	-	1	1	-	-
(#) Influenza and pneumonia	1	1	-	-	-	-	-	-	-	1	1	-	-
(47) Pneumonia	1	1	-	-	-	-	-	-	-	1	1	-	-
Diseases of the digestive system	1	1	-	-	-	-	-	-	-	1	1	-	-
(53#) Gastritis, duodenitis, and noninfective enteritis and colitis	1	1	-	-	-	-	-	-	-	1	1	-	-
Certain conditions originating in the perinatal period	20	16	4	-	13	10	3	4	4	3	2	1	-
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	4	4	-	-	4	4	-	-	-	-	-	-	-
# Newborn affected by maternal complications of pregnancy	8	6	2	-	8	6	2	-	-	-	-	-	-
(60) Newborn affected by incompetent cervix	1	1	-	-	1	1	-	-	-	-	-	-	-
(61) Newborn affected by premature rupture of membranes	2	2	-	-	2	2	-	-	-	-	-	-	-
(#) Newborn affected by complications of placenta, cord and membranes	1	1	-	-	1	1	-	-	-	-	-	-	-
(66) Newborn affected by chorioamnionitis	1	1	-	-	1	1	-	-	-	-	-	-	-
Disorders related to length of gestation and fetal malnutrition	4	2	2	-	4	2	2	-	-	-	-	-	-
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	4	2	2	-	4	2	2	-	-	-	-	-	-
(71) Extremely low birth weight or extreme immaturity	3	2	1	-	3	2	1	-	-	-	-	-	-
(72) Other low birth weight or preterm	1	-	1	-	1	-	1	-	-	-	-	-	-
(77#) Respiratory distress of newborn	1	1	-	-	-	-	-	1	1	-	-	-	-
Other respiratory conditions originating in the perinatal period	2	2	-	-	1	1	-	-	-	1	1	-	-
(81#) Pulmonary hemorrhage originating in the perinatal period	1	1	-	-	1	1	-	-	-	-	-	-	-
(82#) Chronic respiratory disease originating in the perinatal period	1	1	-	-	-	-	-	-	-	1	1	-	-
Infections specific to the perinatal period	2	1	1	-	2	1	1	-	-	-	-	-	-
(85#) Bacterial sepsis of newborn	2	1	1	-	2	1	1	-	-	-	-	-	-
Hemorrhagic and hematological disorders of newborn	2	2	-	-	1	1	-	1	1	-	-	-	-
(88#) Neonatal hemorrhage	2	2	-	-	1	1	-	1	1	-	-	-	-
(93#) Necrotizing enterocolitis of newborn	3	2	1	-	-	-	-	2	2	1	-	1	-
(95) Other perinatal conditions	2	2	-	-	1	1	-	-	-	1	1	-	-
(#) Congenital malformations, deformations and chromosomal abnormalities	25	22	3	-	17	14	3	6	6	2	2	-	-
(97) Congenital hydrocephalus	1	1	-	-	-	-	-	1	1	-	-	-	-
(99) Other congenital malformations of nervous system	3	1	2	-	3	1	2	-	-	-	-	-	-
(100) Congenital malformations of heart	6	6	-	-	2	2	-	3	3	1	1	-	-
(101) Other congenital malformations of circulatory system	1	1	-	-	-	-	-	1	1	-	-	-	-
(102) Congenital malformations of respiratory system	3	2	1	-	3	2	1	-	-	-	-	-	-
(104) Congenital malformations of genitourinary system	2	2	-	-	2	2	-	-	-	-	-	-	-
(105) Congenital malformations and deformations of musculoskeletal system, limbs and integument	4	4	-	-	4	4	-	-	-	-	-	-	-
(107) Edward's syndrome	2	2	-	-	1	1	-	1	1	-	-	-	-
(108) Patau's syndrome	2	2	-	-	1	1	-	-	-	1	1	-	-
(110) Other chromosomal abnormalities, not elsewhere classified	1	1	-	-	1	1	-	-	-	-	-	-	-
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	21	14	5	2	1	-	1	2	2	18	12	4	2
(111#) Sudden infant death syndrome	11	9	2	-	-	-	-	2	2	9	7	2	-
(112) Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	10	5	3	2	1	-	1	-	-	9	5	2	2
External causes of mortality	2	1	1	-	-	-	-	-	-	2	1	1	-
(#) Accidents (unintentional injuries)	1	-	1	-	-	-	-	-	-	1	-	1	-
(120) Other accidental suffocation and strangulation	1	-	1	-	-	-	-	-	-	1	-	1	-
(129#) Complications of medical and surgical care	1	1	-	-	-	-	-	-	-	1	1	-	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED; + AMERICAN INDIAN OR ALASKA NATIVE

**LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT

<http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/130causesinfantdeath.pdf>. THOSE MARKED WITH A "#" SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-8

**FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND COUNTY OF RESIDENCE
FIVE-YEAR LAGGED INFANT MORTALITY RATE BY COUNTY OF RESIDENCE
MONTANA, 2007**

COUNTY	TOTAL UNDER 1 YEAR			1 TO 7 DAYS			8 TO 27 DAYS			28 DAYS TO 1 YEAR			INFANT DEATHS	BIRTHS	INFANT MORTALITY RATE+
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER			
MONTANA TOTAL	76	61	15	31	24	7	12	12	-	33	25	8	361	59,407	6.0
BEAVERHEAD	-	-	-	-	-	-	-	-	-	-	-	-	2	442	4.5
BIG HORN	4	1	3	2	1	1	-	-	-	2	-	2	10	1,337	7.4
BLAINE	-	-	-	-	-	-	-	-	-	-	-	-	5	610	8.1
BROADWATER	-	-	-	-	-	-	-	-	-	-	-	-	2	190	10.5
CARBON	-	-	-	-	-	-	-	-	-	-	-	-	1	435	2.2
CARTER	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
CASCADE	8	5	3	3	3	-	-	-	-	5	2	3	35	5,748	6.0
CHOUTEAU	3	3	-	1	1	-	1	1	-	1	1	-	6	211	28.4
CUSTER	-	-	-	-	-	-	-	-	-	-	-	-	4	690	5.7
DANIELS	1	1	-	-	-	-	-	-	-	1	1	-	1	69	14.4
DAWSON	-	-	-	-	-	-	-	-	-	-	-	-	4	483	8.2
DEER LODGE	-	-	-	-	-	-	-	-	-	-	-	-	4	374	10.6
FALLON	1	1	-	-	-	-	-	-	-	1	1	-	1	190	5.2
FERGUS	-	-	-	-	-	-	-	-	-	-	-	-	2	502	3.9
FLATHEAD	5	5	-	1	1	-	1	1	-	3	3	-	25	5,491	4.5
GALLATIN	10	9	1	5	4	1	1	1	-	4	4	-	34	5,523	6.1
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	76	-
GLACIER	1	-	1	1	-	1	-	-	-	-	-	-	12	1,291	9.2
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-	3	121	24.7
HILL	-	-	-	-	-	-	-	-	-	-	-	-	9	1,324	6.7
JEFFERSON	1	1	-	1	1	-	-	-	-	-	-	-	3	499	6.0
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-
LAKE	6	1	5	4	-	4	1	1	-	1	-	1	16	1,994	8.0
LEWIS & CLARK	4	4	-	-	-	-	1	1	-	3	3	-	26	3,513	7.4
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-	-	71	-
LINCOLN	2	2	-	1	1	-	-	-	-	1	1	-	6	857	7.0
MADISON	1	1	-	-	-	-	-	-	-	1	1	-	1	254	3.9
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-	-	69	-
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-	-	113	-
MINERAL	-	-	-	-	-	-	-	-	-	-	-	-	4	228	17.5
MISSOULA	4	3	1	1	1	-	-	-	-	3	2	1	26	6,105	4.2
MUSSELSHELL	-	-	-	-	-	-	-	-	-	-	-	-	2	220	9.0
PARK	-	-	-	-	-	-	-	-	-	-	-	-	5	783	6.3
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-	1	200	5.0
PONDERA	1	1	-	1	1	-	-	-	-	-	-	-	4	388	10.3
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-
POWELL	1	1	-	-	-	-	1	1	-	-	-	-	1	281	3.5
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
RAVALLI	7	7	-	-	-	-	3	3	-	4	4	-	17	2,144	7.9
RICHLAND	-	-	-	-	-	-	-	-	-	-	-	-	1	515	1.9
ROOSEVELT	-	-	-	-	-	-	-	-	-	-	-	-	10	1,106	9.0
ROSEBUD	-	-	-	-	-	-	-	-	-	-	-	-	6	868	6.9
SANDERS	-	-	-	-	-	-	-	-	-	-	-	-	2	520	3.8
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-	1	119	8.4
SILVER BOW	-	-	-	-	-	-	-	-	-	-	-	-	9	1,954	4.6
STILLWATER	1	1	-	-	-	-	1	1	-	-	-	-	7	501	13.9
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-	2	183	10.9
TETON	3	3	-	3	3	-	-	-	-	-	-	-	4	310	12.9
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-	-	231	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-
VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	1	390	2.5
WHEATLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	95	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-
YELLOWSTONE	12	11	1	7	7	-	2	2	-	3	2	1	46	9,466	4.8
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-

* EITHER RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

+ PER 1,000 LIVE BIRTHS, 2003-2007

TABLE D-9
FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1930 - 2007

YEAR OF DEATH	BOTULISM		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION		POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1930	7	1.3	4	0.7	102	19	12	2.2	22	4.1	6	1.1	9	1.7	337	62.7	16	3	16	3
1935	3	0.5	14	2.6	173	31.5	49	8.9	15	2.7	1	0.2	21	3.8	257	46.8	12	2.2	22	4
1940	2	0.4	6	1.1	77	13.8	5	0.9	6	1.1	7	1.3	7	1.3	231	41.3	3	0.5	5	0.9
1945	1	0.2	4	0.8	47	9.3	1	0.2	3	0.6	10	2	1	0.2	171	33.9	2	0.4	2	0.4
1946	1	0.2	5	1	25	4.8	3	0.6	3	0.6	5	1	5	1	164	31.4	2	0.4	2	0.4
1947	1	0.2	2	0.4	33	6.1	13	2.4	3	0.6	4	0.7	1	0.2	152	28.2	1	0.2	6	1.1
1948	3	0.5	3	0.5	13	2.3	12	2.2	1	0.2	6	1.1	1	0.2	146	26.2	-	-	6	1.1
1949	2	0.3	3	0.5	13	2.3	3	0.5	3	0.5	13	2.3	-	-	109	19	1	0.2	2	0.3
1950	-	-	2	0.3	23	3.9	-	-	1	0.2	3	0.5	1	0.2	114	19.3	-	-	10	1.7
1951	2	0.3	-	-	30	5	9	1.5	5	0.8	6	1	-	-	85	14.3	1	0.2	1	0.2
1952	-	-	1	0.2	22	3.7	4	0.7	4	0.7	8	1.3	1	0.2	79	13.1	1	0.2	1	0.2
1953	-	-	3	0.5	59	9.6	4	0.6	2	0.3	14	2.3	-	-	77	12.5	-	-	4	0.6
1954	-	-	3	0.5	6	1	5	0.8	6	1	9	1.4	-	-	62	9.9	-	-	1	0.2
1955	-	-	1	0.2	12	1.9	4	0.6	5	0.8	8	1.3	-	-	50	7.9	-	-	1	0.2
1956	-	-	1	0.2	4	0.6	1	0.2	7	1.1	-	-	-	-	48	7.3	-	-	1	0.2
1957	-	-	1	0.2	25	3.8	3	0.5	3	0.5	2	0.3	-	-	68	10.2	-	-	2	0.3
1958	-	-	-	-	14	2.1	2	0.3	4	0.6	5	0.8	-	-	45	6.8	-	-	-	-
1959	-	-	-	-	15	2.2	5	0.7	3	0.4	2	0.3	-	-	37	5.5	-	-	-	-
1960	-	-	-	-	37	5.5	1	0.1	3	0.4	7	1	1	0.1	31	4.6	-	-	1	0.1
1961	-	-	-	-	8	1.2	1	0.1	1	0.1	1	0.1	-	-	24	3.5	1	0.1	-	-
1962	-	-	-	-	12	1.7	-	-	4	0.6	-	-	-	-	32	4.5	-	-	-	-
1963	-	-	-	-	31	4.4	-	-	3	0.4	-	-	-	-	27	3.8	-	-	-	-
1964	1	0.1	-	-	29	4.1	2	0.3	2	0.3	-	-	-	-	28	4	1	0.1	-	-
1965	-	-	-	-	5	0.7	-	-	3	0.4	-	-	-	-	22	3.1	-	-	-	-
1966	1	0.1	-	-	49	7	-	-	2	0.3	-	-	-	-	21	3	-	-	-	-
1967	-	-	-	-	3	0.4	-	-	2	0.3	-	-	-	-	17	2.4	-	-	-	-
1968	-	-	-	-	30	4.3	-	-	2	0.3	1	0.1	-	-	15	2.2	-	-	-	-
1969	-	-	-	-	38	5.5	2	0.3	2	0.3	-	-	-	-	16	2.3	-	-	-	-
1970	-	-	2	0.3	8	1.2	-	-	1	0.1	-	-	-	-	12	1.7	-	-	-	-
1971	-	-	-	-	9	1.3	2	0.3	2	0.3	1	0.1	-	-	-	1.4	-	-	1	0.1
1972	-	-	-	-	15	2.1	-	-	2	0.3	-	-	-	-	11	1.5	-	-	-	-
1973	-	-	-	-	43	6	-	-	2	0.3	-	-	-	-	13	1.8	-	-	-	-
1974	-	-	-	-	11	1.5	-	-	1	0.1	1	0.1	-	-	17	2.3	-	-	-	-
1975	-	-	-	-	17	2.3	-	-	-	-	1	0.1	1	0.1	13	1.7	-	-	-	-
1976	-	-	-	-	95	12.6	-	-	-	-	-	-	-	-	9	1.2	-	-	-	-
1977	-	-	-	-	9	1.2	-	-	2	0.3	-	-	-	-	4	0.5	-	-	-	-
1978	-	-	-	-	19	2.4	-	-	2	0.3	1	0.1	-	-	11	1.4	-	-	-	-
1979	-	-	-	-	4	0.5	-	-	4	0.5	-	-	-	-	5	0.6	-	-	-	-
1980	-	-	-	-	24	3.1	-	-	-	-	-	-	-	-	6	0.8	-	-	-	-
1981	1	0.1	-	-	10	1.3	-	-	1	0.1	-	-	-	-	7	0.9	-	-	-	-
1982	-	-	-	-	8	1	-	-	1	0.1	-	-	-	-	7	0.9	-	-	-	-
1983	-	-	-	-	26	3.2	-	-	1	0.1	1	0.1	-	-	1	0.1	-	-	-	-
1984	-	-	-	-	19	2.3	-	-	-	-	2	0.2	-	-	10	1.2	-	-	-	-
1985	-	-	-	-	24	2.9	-	-	3	0.4	-	-	-	-	5	0.6	-	-	1	0.1
1986	-	-	-	-	24	2.9	-	-	-	-	-	-	-	-	5	0.6	-	-	-	-
1987	-	-	-	-	9	1.1	-	-	-	-	-	-	-	-	4	0.5	-	-	-	-
1988	-	-	-	-	21	2.6	-	-	-	-	1	0.1	-	-	2	0.2	-	-	-	-
1989	-	-	-	-	19	2.4	-	-	-	-	2	0.2	-	-	5	0.6	-	-	-	-
1990	-	-	-	-	15	1.9	-	-	2	0.2	-	-	-	-	2	0.2	-	-	-	-
1991	-	-	-	-	7	0.9	-	-	-	-	1	0.1	-	-	4	0.5	-	-	-	-
1992	-	-	-	-	7	0.8	-	-	-	-	1	0.1	-	-	4	0.5	-	-	-	-
1993	-	-	-	-	13	1.5	-	-	-	-	-	-	-	-	2	0.2	-	-	-	-
1994	-	-	-	-	15	1.7	-	-	1	0.1	-	-	-	-	6	0.7	-	-	-	-
1995	-	-	-	-	6	0.7	-	-	1	0.1	2	0.2	-	-	2	0.2	-	-	-	-
1996	-	-	-	-	11	1.2	-	-	2	0.2	2	0.2	-	-	1	0.1	-	-	1	0.1
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	-	-	-	-	60	6.7	-	-	-	-	1	0.1	-	-	4	0.4	-	-	-	-
1999	-	-	-	-	35	3.9	-	-	1	0.1	-	-	-	-	3	0.3	-	-	-	-
2000	-	-	-	-	10	1.1	-	-	-	-	1	0.1	-	-	4	0.4	-	-	-	-
2001	-	-	-	-	3	0.3	-	-	2	0.2	1	0.1	-	-	3	0.3	-	-	-	-
2002	-	-	-	-	7	0.8	-	-	-	-	1	0.1	-	-	-	-	-	-	-	-
2003	-	-	-	-	18	2.0	-	-	-	-	2	0.2	-	-	1	0.1	-	-	-	-
2004	-	-	-	-	4	0.4	-	-	-	-	2	0.2	-	-	-	-	-	-	-	-
2005	-	-	-	-	26	2.8	-	-	-	-	-	-	-	-	3	0.3	-	-	1	0.1
2006	-	-	-	-	6	0.6	-	-	-	-	5	0.5	-	-	1	0.1	-	-	-	-
2007	-	-	-	-	5	0.5	-	-	-	-	2	0.2	-	-	1	0.1	-	-	-	-

*DATA FOR 1930-45 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE. PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIED."
+PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE D-10
FREQUENCY OF MATERNAL AND LATE MATERNAL DEATHS* BY YEAR
MONTANA RESIDENTS, 2003-2007

	2003	2004	2005	2006	2007
Total, all Maternal and Late Maternal Causes	5	9	6	2	4
Maternal causes (A34,O00-O95,O98-O99)	2	2	1	-	2
Pregnancy with abortive outcome (O00-O07)	-	-	-	-	-
Ectopic pregnancy (O00)	-	-	-	-	-
Spontaneous abortion (O03)	-	-	-	-	-
Medical abortion (O04)	-	-	-	-	-
Other abortion (O05)	-	-	-	-	-
Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)	-	-	-	-	-
Other direct obstetric causes(A34,O10-O92)	-	2	-	-	1
Eclampsia and pre-eclampsia (O11,O13-O16)	-	-	-	-	1
Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,O72)	-	1	-	-	-
Complications predominately related to the puerperium (A34,O85-O92)	-	-	-	-	-
Obstetrical tetanus (A34)	-	-	-	-	-
Obstetric embolism (O88)	-	-	-	-	-
Other complications predominately related to the puerperium O85-O87,O89-O92)	-	-	-	-	-
All other direct obstetric causes(O10,O12,O21-O43,O47-O66,O68-O71,O73-O75)	-	1	-	-	-
Obstetric death of unspecified cause (O95)	-	-	-	-	-
Indirect obstetric causes (O98-O99)	2	-	1	-	1
Maternal causes more than 42 days after delivery or termination of pregnancy (O96-O97)	3	7	5	2	2
Death from any obstetric cause occurring more than 42 days but less than one year after delivery (O96)	3	7	5	2	2
Death from sequelae of direct obstetric causes (O97)	-	-	-	-	-

* A "MATERNAL DEATH" IS THE DEATH OF A FEMALE WHILE PREGNANT OR WITHIN 42 DAYS OF TERMINATION OF PREGNANCY, IRRESPECTIVE OF THE DURATION AND SITE OF PREGNANCY, FROM ANY CAUSE RELATED TO OR AGGRAVATED BY THE PREGNANCY OR ITS MANAGEMENT, BUT NOT FROM ACCIDENT OR INCIDENTAL CAUSES. MATERNAL CONDITIONS ARE THOSE ASSIGNED TO PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM (ICD-10 CODES A34, O00-O95, AND O98-O99). "LATE MATERNAL DEATHS" ARE THOSE ATTRIBUTABLE TO THE SAME CAUSES BUT WHICH OCCURRED MORE THAN 42 DAYS AFTER TERMINATION OF THE PREGNANCY. THE 2003 REVISION OF THE MONTANA DEATH CERTIFICATE ADDED A PREGNANCY HISTORY ITEM WHICH INDICATES WHETHER THE DECEDENT WAS PREGNANT WITHIN THE 12 MONTHS PRIOR TO DEATH (ICD-10 CODES O96-O97). THIS NEW ITEM MAKES THE IDENTIFICATION OF A GREATER NUMBER OF MATERNAL AND LATE MATERNAL DEATHS POSSIBLE.

TABLE F-1

**FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION, AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2007**

CAUSE OF DEATH	ALL GESTATIONAL AGES					LESS THAN 23 WEEKS					23 TO 33 WEEKS					34 WEEKS OR MORE			
	TOTAL	MALE		FEM.		TOTAL	MALE		FEM.	TOTAL	MALE		FEM.		TOTAL	MALE		FEM.	
		WHITE	OTHER	WHITE	OTHER		WHITE	OTHER	WHITE		OTHER	WHITE	OTHER						
All causes	38	20	2	11	5	7	5	3	1	1	18	10	1	5	2	13	5	5	3
Certain conditions originating in the perinatal period	33	16	2	10	5	5	3	1	1	1	15	8	1	4	2	13	5	5	3
(#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	3	2	-	1	-	-	-	-	-	-	3	2	-	1	-	-	-	-	-
(22) Fetus affected by maternal injury	3	2	-	1	-	-	-	-	-	-	3	2	-	1	-	-	-	-	-
(#) Fetus affected by maternal complications of pregnancy	2	-	1	1	-	2	-	1	1	-	-	-	-	-	-	-	-	-	-
(27) Fetus affected by premature rupture of membranes	2	-	1	1	-	2	-	1	1	-	-	-	-	-	-	-	-	-	-
(#) Fetus affected by complications of placenta, cord and membranes	16	7	-	7	2	3	3	-	-	-	5	1	-	2	2	8	3	5	-
(36) Fetus affected by other forms of placental separation and hemorrhage	3	3	-	-	-	1	1	-	-	-	1	1	-	-	-	1	1	-	-
(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	2	-	-	1	1	-	-	-	-	-	1	-	-	-	1	1	-	1	-
(40) Fetus affected by other compression of umbilical cord	9	3	-	5	1	2	2	-	-	-	3	-	-	2	1	4	1	3	-
(41) Fetus affected by other and unspecified conditions of umbilical cord	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-
(#) Fetus affected by other complications of labor and delivery	2	1	-	-	1	-	-	-	-	-	1	1	-	-	-	1	-	-	1
(44) Fetus affected by breech delivery and extraction	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1
(45) Fetus affected by other malpresentation, malposition and disproportion during labor and delivery	1	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
(77#) Fetal hemorrhage	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Transitory endocrine and metabolic disorders specific to fetus	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1
(84#) Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Other conditions originating in the perinatal period	8	6	1	1	-	-	-	-	-	-	6	4	1	1	-	2	2	-	-
(93) Condition originating in the perinatal period, unspecified	8	6	1	1	-	-	-	-	-	-	6	4	1	1	-	2	2	-	-
# Congenital malformations, deformations and chromosomal abnormalities	5	4	-	1	-	2	2	-	-	-	3	2	-	1	-	-	-	-	-
Congenital malformations of urinary system	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
(111) Other congenital malformations of urinary system	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
(112) Congenital malformations and deformations of musculoskeletal system, limbs and integument	1	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Chromosomal abnormalities, not elsewhere classified	3	2	-	1	-	1	1	-	-	-	2	1	-	1	-	-	-	-	-
(117) Edward's syndrome	1	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
(118) Patau's syndrome	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
(119) Other chromosomal abnormalities, not elsewhere classified	1	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/124causes.pdf>.

TABLE A-1
FREQUENCY OF INDUCED ABORTION BY NUMBER OF PREVIOUS
INDUCED ABORTIONS AND NUMBER OF PREVIOUS PREGNANCIES
MONTANA OCCURRENCES, 2007

TOTAL PAST PREGNANCIES	TOTAL	PREVIOUS INDUCED ABORTIONS							
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX OR MORE	NOT STATED
TOTAL	2,238	722	1,001	341	118	33	12	11	-
	100	32.3	44.7	15.2	5.3	1.5	0.5	0.5	-
NONE	410	410	-	-	-	-	-	-	-
	100	100	-	-	-	-	-	-	-
ONE	652	152	500	-	-	-	-	-	-
	100	23.3	76.7	-	-	-	-	-	-
TWO	387	89	206	92	-	-	-	-	-
	100	23.0	53.2	23.8	-	-	-	-	-
THREE	290	44	146	72	28	-	-	-	-
	100	15.2	50.3	24.8	9.7	-	-	-	-
FOUR	226	15	78	93	33	7	-	-	-
	100	6.6	34.5	41.2	14.6	3.1	-	-	-
FIVE	140	9	45	49	28	7	2	-	-
	100	6.4	32.1	35.0	20.0	5.0	1.4	-	-
SIX	69	3	16	22	16	7	3	2	-
	100	4.3	23.2	31.9	23.2	10.1	4.3	2.9	-
SEVEN	27	-	7	4	8	4	3	1	-
	100	-	25.9	14.8	29.6	14.8	11.1	3.7	-
EIGHT	14	-	1	3	4	4	1	1	-
	100	-	7.1	21.4	28.6	28.6	7.1	7.1	-
NINE OR MORE	22	-	1	6	1	4	3	7	-
	100	-	4.5	27.3	4.5	18.2	13.6	31.8	-
NOT STATED	1	-	1	-	-	-	-	-	-
	100	-	100	-	-	-	-	-	-

TABLE A-2
FREQUENCY OF
INDUCED ABORTION BY
AGE OF PATIENT
MONTANA
OCCURRENCES, 2007

PATIENT'S AGE	NUMBER
TOTAL	2,238
UNDER 12	-
12-14	8
15-17	149
18-19	269
20-24	818
25-29	479
30-34	261
35-39	182
40-44	68
45 AND OVER	4
NOT STATED	-

TABLE A-3
FREQUENCY OF INDUCED ABORTION BY COMPLETED WEEKS OF GESTATION AND BY
PRIMARY PROCEDURE
MONTANA OCCURRENCES, 2007

TOTAL PAST PREGNANCIES	TOTAL	LENGTH OF GESTATION IN WEEKS									
		3 OR FEWER	4-6	7-9	10-11	12-13	14-15	16-17	18-19	20 OR MORE	NOT GIVEN
TOTAL	2,238	2	752	840	292	172	61	49	49	14	7
SHARP CURETTAGE	18	-	-	12	3	3	-	-	-	-	-
SUCTION CURETTAGE	1,530	1	340	681	288	166	46	1	1	-	6
DILATION & EVACUATION	129	-	-	1	-	3	15	48	48	14	-
METHOTREXATE & MISOPROSTOL	4	-	3	1	-	-	-	-	-	-	-
MIFEPRISTONE & MISOPROSTOL	490	-	368	122	-	-	-	-	-	-	-
MIFERPREX OR MIFEPRISTONE, ALONE	17	1	6	10	-	-	-	-	-	-	-
~NOT STATED / OTHER	50	-	35	13	1	-	-	-	-	-	1

* THE PROCEDURE THAT TERMINATED PREGNANCY, AS OPPOSED TO "ADDITIONAL PROCEDURES USED."

TABLE A-4
FREQUENCY OF
INDUCED ABORTION BY
STATE / COUNTRY OF
RESIDENCE MONTANA
OCCURRENCES, 2007

PLACE	NUMBER
IDAHO	30
NORTH DAKOTA	26
SOUTH DAKOTA	9
WYOMING	175
MONTANA	1,977
OTHER STATES	20
CANADA	1
REST OF WORLD	-
NOT STATED	-

TABLE M-1
FREQUENCY AND PERCENT DISTRIBUTION OF MARRIAGES BY MONTH OF OCCURENCE
MONTANA OCCURRENCES, 2007

MONTH	NUMBER	PERCENT
MONTANA TOTAL	7,263	100
JANUARY	296	4.1
FEBRUARY	336	4.6
MARCH	384	5.3
APRIL	337	4.6
MAY	550	7.6
JUNE	1,075	14.8
JULY	1,235	17.0
AUGUST	1,035	14.3
SEPTEMBER	813	11.2
OCTOBER	421	5.8
NOVEMBER	347	4.8
DECEMBER	434	6.0
NOT STATED	-	0.0

TABLE M-2
FREQUENCY OF MARRIAGE BY PREVIOUS MARITAL STATUS AND AGE OF BRIDE AND
BY PREVIOUS MARITAL STATUS AND AGE OF GROOM
MONTANA OCCURRENCES, 2007

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
MONTANA TOTAL	7,263	4,820	170	2,271	2	7,263	4,834	174	2,254	1
15-19	509	500	-	9	-	151	150	-	1	-
20-24	2,182	2,051	1	130	-	1,707	1,644	-	62	1
25-29	1,729	1,395	6	326	2	1,907	1,663	1	243	-
30-34	888	524	14	350	-	1,075	746	3	326	-
35-39	553	184	12	357	-	669	315	5	349	-
40-44	432	87	14	331	-	465	143	6	316	-
45-49	380	39	19	322	-	418	90	21	307	-
50-54	284	24	18	242	-	323	44	17	262	-
55-59	149	13	19	117	-	236	24	26	186	-
60-64	80	3	23	54	-	145	11	18	116	-
65-69	34	-	15	19	-	67	2	17	48	-
70-74	25	-	16	9	-	51	1	29	21	-
75 AND OVER	18	-	13	5	-	49	1	31	17	-

TABLE M-3
FREQUENCY OF FIRST MARRIAGE FOR BOTH BRIDE AND GROOM
BY AGE OF BRIDE AND AGE OF GROOM
MONTANA OCCURENCES, 2007

AGE OF GROOM	TOTAL, ALL AGES	AGE OF BRIDE									
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	4,022	467	1,830	1,161	397	98	38	17	7	7	-
15-19	145	101	37	7	-	-	-	-	-	-	-
20-24	1,533	306	1,066	138	22	1	-	-	-	-	-
25-29	1,443	45	591	701	93	11	2	-	-	-	-
30-34	573	11	114	227	189	29	2	-	-	1	-
35-39	198	2	18	70	63	36	6	2	1	-	-
40-44	72	2	2	13	27	12	12	3	1	-	-
45-49	37	-	2	5	3	6	10	10	-	1	-
50-54	13	-	-	-	-	3	5	2	3	-	-
55 AND OVER	8	-	-	-	-	-	1	-	2	5	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

TABLE M-4
MEDIAN AGES OF BRIDES AND GROOMS
MONTANA OCCURRENCES, 1998-2007

YEAR OF MARRIAGE	MEDIAN AGE OF BRIDE				MEDIAN AGE OF GROOM			
	BOTH FIRST*	GROOM FIRST MARRIAGE	BRIDE FIRST MARRIAGE	ALL MARRIAGES	BOTH FIRST*	GROOM FIRST MARRIAGE	BRIDE FIRST MARRIAGE	ALL MARRIAGES
1998	23	24	23	27	24	25	25	29
1999	23	24	23	27	25	26	26	29
2000	23	24	23	27	25	26	26	29
2001	23	24	23	27	25	25	25	29
2002	23	24	23	27	25	26	26	29
2003	23	24	24	27	25	26	26	30
2004	23	24	24	27	25	26	26	29
2005	23	24	24	27	25	26	26	29
2006	24	24	24	27	25	26	26	29
2007	24	25	24	27	25	26	26	29

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM

TABLE R-1

2007 Communicable Disease Report Summary

Vaccine Preventable Diseases										Enteric Diseases						
COUNTY	HEP A	HIB	MENINGO-COCCAL	MUMPS	PERT	STREP PNEUMO	TETANUS	VARICELLA	CAMPY	CRYPTO	E COLI O157:H7	GIARDIA	SALM	SHIG	NON O157 STEC	SHEET TOTAL
BEAVERHEAD	0	0	0	0	0	0	0	12	2	0	0	0	2	0	0	16
BIG HORN/CROW	0	0	0	0	0	0	0	3	1	1	0	0	3	6	0	14
BLAINE/FT BELKNAP	0	0	0	0	0	0	0	11	5	0	0	1	1	1	0	19
BROADWATER	0	0	0	1	0	0	0	4	1	0	0	0	0	0	0	6
CARBON	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	4
CARTER	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
CASCADE	0	0	0	0	12	1	0	2	12	6	0	4	8	0	0	45
CHOUTEAU	0	0	0	0	0	0	0	4	1	0	0	1	0	0	0	6
CUSTER	0	0	0	0	0	0	0	70	1	0	0	11	1	0	0	83
DANIELS	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
DAWSON	0	0	0	0	0	0	0	1	0	1	1	0	3	1	0	7
DEER LODGE	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
FALLON	0	0	0	0	0	0	0	36	0	0	0	0	1	0	0	37
FERGUS	0	0	0	0	0	0	0	3	1	1	0	0	0	0	0	5
FLATHEAD	5	0	0	0	13	0	0	105	15	15	2	10	10	0	0	175
GALLATIN	0	1	1	0	3	0	0	9	17	4	2	26	16	1	0	80
GARFIELD	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
GLACIER/BLACKFEET	0	0	0	0	1	0	0	18	1	1	0	0	4	0	0	25
GRANITE	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
HILL/CHIPPEWA CREE	0	0	0	0	0	3	0	17	1	1	0	0	0	0	0	22
JEFFERSON	0	0	0	0	0	0	0	8	2	0	0	0	0	0	0	10
JUDITH BASIN	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
LAKE/CSKT	0	0	0	0	0	1	0	0	4	4	0	3	6	0	0	18
LEWIS & CLARK	1	0	0	0	1	0	0	64	6	1	3	2	9	2	1	90
LIBERTY	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
LINCOLN	0	0	0	0	0	2	0	7	1	2	0	4	5	0	0	21
MADISON	0	0	0	0	0	1	0	1	1	0	0	0	2	0	0	5
MCCONE	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
MEAGHER	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
MINERAL	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
MISSOULA	1	0	1	0	2	0	1	9	20	7	4	15	12	3	0	75
MUSSELSHELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARK	1	0	0	0	0	1	0	13	4	0	0	3	2	0	0	24
PETROLEUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHILLIPS	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
PONDERA	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2
POWDER RIVER	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
POWELL	0	0	0	0	0	0	0	0	2	0	0	1	1	0	0	4
PRAIRIE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAVALLI	0	0	0	0	0	1	0	5	3	0	3	4	0	0	0	16
RICHLAND	0	0	0	0	2	0	0	14	0	0	0	0	2	0	0	18
ROOSEVELT/FT PECK	0	0	0	0	0	0	0	0	3	2	0	0	0	6	0	11
ROSEBUD	0	0	0	0	0	1	0	0	4	3	0	0	0	1	0	9
SANDERS	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	6
SHERIDAN	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	4
SILVER BOW	0	0	0	0	14	0	0	5	1	0	0	3	3	0	1	27
STILLWATER	0	0	0	0	0	0	0	0	2	0	0	1	2	0	0	5
SWEET GRASS	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
TETON	0	0	0	0	0	0	0	8	5	0	0	0	1	0	0	14
TOOLE	0	0	0	0	0	0	0	3	0	0	0	1	2	0	0	6
TREASURE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALLEY	0	0	0	0	0	0	0	1	0	0	0	0	2	1	0	4
WHEATLAND	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
WIBAUX	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
YELLOWSTONE	1	0	1	0	5	0	0	5	17	24	5	10	18	2	0	88
YTD 2007	10	1	3	1	53	11	1	441	140	77	21	113	125	27	2	1026
YTD 2006	12	0	5	0	115	0	0	38	154	150	20	105	138	69	7	na
YTD 2005	10	0	0	0	596	0	0	0	106	23	16	81	149	5	7	na

1. African Tick Fever, Coccidioides, Lyme Disease and Malaria are reportable diseases that are not endemic to Montana. Residents with these illnesses have acquired the disease out-of-state or out of the country but still will be reflected in this summary report.

2. Counties with no reportable diseases are not reflected on this report.

TABLE R-2

Other Communicable Diseases

COUNTY	AFRICAN TICK FEVER	AMEB	ASEP MEN	COCCIDIO- MYCOSIS	CTF	CJD	H. FLU INVASIVE	HANTA	HEP B, ACUTE	HEP C, ACUTE	LEGION	LISTERIA	LYME	MALARIA	MENINGITIS, BACTERIAL	MENINGITIS, VIRAL	RABIES, ANIMAL	ANIMAL SPECIES	RMSF	TB	WEST NILE VIRUS	YERSINIOSIS	GRAND TOTAL
BEAVERHEAD	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0		0	0	0	0	9
BIG HORN/CROW	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	4	0	9
BLAINE/FT. BELKNAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		0	0	7	0	9
BROADWATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	45
CARBON	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0		0	0	0	0	7
CARTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	83
CASCADE	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	1	1	BAT	0	1	11	0	19
CHOUTEAU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	8	0	15
CUSTER	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SKUNK	0	0	13	0	19
DANIELS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	37
DAWSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	BAT	0	0	4	0	10
DEER LODGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	175
FALLON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	2	0	82
FERGUS	1	0	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0		0	0	1	0	3
FLATHEAD	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	2	BAT	0	1	0	0	187
GALLATIN	0	2	1	0	0	1	0	1	0	0	0	0	1	0	0	3	1	BAT	0	1	0	0	14
GARFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	22
GLACIER/BLACKFEET	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0		0	1	2	0	15
GRANITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	1
HILL/CHIPPEWA CREE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		0	0	13	0	32
JEFFERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	90
JUDITH BASIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	2
LAKE/CSKT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	BAT	0	1	0	0	24
LEWIS & CLARK	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	BAT	0	2	9	0	20
LIBERTY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	1	0	3
LINCOLN	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0		0	1	0	0	4
MADISON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	2
MCCONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	5	0	80
MEAGHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
MINERAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	1	0	25
MISSOULA	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	BAT	0	0	1	1	5
MUSSEL SHELL	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		0	0	1	0	4
PARK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	1	0	3
PETROLEUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	1	0	2
PHILLIPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	1	16	0	21
PONDERA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	3	0	3
POWDER RIVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	1	0	17
POWELL/MSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	18
PRAIRIE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	3	0	14
RAVALLI	0	1	0	1	0	0	1	0	0	0	0	0	1	1	0	1	1	BAT	0	2	1	0	20
RICHLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	BAT	0	0	8	0	15
ROOSEVELT/ FT PECK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	16	0	20
ROSEBUD/NO. CHEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	6	0	33
SANDERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	5
SHERIDAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	5	0	7
SILVER BOW	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		0	0	0	0	15
STILLWATER	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0		0	0	5	0	13
SWEET GRASS	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	SKUNKS	0	0	0	0	4
TETON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	5	0	9
TOOLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	2	0	4
TREASURE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	1	0	2
VALLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	15	0	103
WHEATLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	DOG, LAMB	0	0	1	0	1029
WIBAUX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	2	0	2
YELLOWSTONE	0	0	6	3	0	0	0	0	0	0	0	0	0	0	1	5	5	UNKS, BATS	1	0	27	0	48
YTD 2007	2	4	14	6	2	2	1	2	1	1	3	1	7	3	2	18	21		1	11	202	1	2488
YTD 2006	0	1	0	0	1	0	2	2	0	0	6	1	0	2	5	33	15		2		34	3	na
YTD 2005	0	1	0	0	3	0	2	1		0	6	0	0	0	0	37	15		1		26	1	na

1. African Tick Fever, Coccidioides, Lyme Disease and Malaria are reportable diseases that are not endemic to Montana. Residents with these illnesses have acquired the disease out-of-state or out of the country but still will be reflected in this summary report.

TABLE R-3

Foodborne, Waterborne, and Institutional Outbreaks for 2007

Date	City	County	Tribes	Illness	# Reported Ill	# Hospitalized	# Deaths	Setting	Communitywide Outbreak?	Route	Agent	Status	Comments
Jan-07	Dillon	Beaverhead		AGI				LTC	Yes	Unknown	Norovirus	Confirmed	
Jan-07	Townsend	Broadwater		AGI				LTC	Yes	Unknown	Norovirus	Confirmed	
Jan-07	Columbus	Stillwater		AGI				LTC	Yes	Unknown	Norovirus	Confirmed	2 facilities
Jan-07	Malta	Phillips		AGI				LTC	Yes	Unknown	Norovirus	Confirmed	
Jan-07	Bozeman	Gallatin		AGI	40	3		Asst Living	Yes	Unknown	Norovirus	Confirmed	
Jan-07	Kalispell	Flathead		AGI	6	1		Asst Living	Yes	Unknown	Norovirus	Confirmed	
Jan-07	Glasgow	Valley		AGI	10			LTC	Yes	Unknown	Norovirus	Confirmed	
Feb-07	Bozeman	Gallatin		AGI	6			LTC	Yes	Unknown	Norovirus	Confirmed	
Feb-07	Big Timber	Sweet Grass		AGI	17			LTC	Yes	Unknown	Norovirus	Confirmed	
Feb-07	WSS	Meagher		AGI	26			LTC	Yes	Unknown	Norovirus	Suspected	
Feb-07	Glendive	Dawson		AGI	49			LTC	Yes	Unknown	Norovirus	Confirmed	2 facilities
Feb-07	Shelby	Toole		AGI	48	2		LTC	Yes	Unknown	Norovirus	Confirmed	
Feb-07	Choteau	Teton		AGI	15	6		LTC	Yes	Unknown	Norovirus	Confirmed	2 facilities
Feb-07	Miles City	Custer		AGI				LTC	Yes	Unknown	Norovirus	Confirmed	2 facilities
Feb-07	Roundup	Musselshell		AGI	3			LTC	Yes	Unknown	Norovirus	Confirmed	
Feb-07	Hamilton	Ravalli		AGI	46			LTC	Yes	Unknown	Norovirus	Confirmed	2 facilities
Feb-07	Great Falls	Cascade		AGI	50			LTC	Yes	Unknown	Norovirus	Confirmed	
Feb-07	Great Falls	Cascade		AGI	14			Hospital	Yes	Unknown	Norovirus	Confirmed	
Mar-07	Billings	Yellowstone		AGI	500	3	0	Conference	Yes	pending	Norovirus	Confirmed	
Mar-07	Conrad	Pondera		ARI				LTC	Yes	Unknown	Influenza	Confirmed	
Apr-07	Missoula	Missoula		AGI	12			Overseas Travel	No	Unknown	Shig/Noro	Confirmed	
Apr-07	Sheridan	Madison		AGI	24			School	Yes	Unknown	Norovirus	Suspected	
Apr-07	Sidney	Richland		AGI	11	1		Group Home	Yes	Unknown	Norovirus	Confirmed	
Apr-07	Scobey	Daniels		AGI	30			School	Yes	Unknown	Norovirus	Suspected	2 schools
May-07	Helena	Lewis & Clark		AGI	30			Group Home	Yes	Unknown	Norovirus	Suspected	
May-07	Ennis	Madison		AGI	2			LTC	Yes	Unknown	Norovirus	Confirmed	
Sep-07	Choteau	Teton		AGI	4			Daycare	No	Unknown	Pending	Suspected	
Oct-07	Helena	Lewis & Clark		AGI	11			Preschool	No	Unknown	Pending	Suspected	1 facility

AGI = Acute Gastroenteric Illness

ARI = Acute Respiratory Illness

TABLE R-4

SEXUALLY TRANSMITTED DISEASE CASE REPORTS AS OF DECEMBER 31, 2007

FINAL REPORT

COUNTY	CHLAMYDIA	GONORRHEA	SYPHILIS	HIV	TOTAL
BEAVERHEAD	25	1	0	0	26
BIG HORN	109	2	0	0	111
BLAINE	28	1	0	0	29
BROADWATER	5	0	0	0	5
CARBON	9	0	0	0	9
CARTER	0	0	0	0	0
CASCADE	357	21	0	1	379
CHOUTEAU	0	0	0	0	0
CUSTER	17	0	0	0	17
DANIELS	1	0	0	0	1
DAWSON	14	0	0	0	14
DEER LODGE	15	0	1	0	16
FALLON	4	0	0	0	4
FERGUS	7	0	0	0	7
FLATHEAD	195	6	0	0	201
GALLATIN	245	13	1	1	260
GARFIELD	0	0	0	0	0
GLACIER	115	3	0	0	118
GOLDEN VALLEY	0	0	0	0	0
GRANITE	3	0	0	0	3
HILL	121	1	0	1	123
JEFFERSON	5	0	1	0	6
JUDITH BASIN	1	0	0	0	1
LAKE	146	1	0	0	147
LEWIS AND CLARK	154	11	0	0	165
LIBERTY	0	0	0	0	0
LINCOLN	60	2	0	0	62
MADISON	3	1	0	0	4
MCCONE	1	0	0	0	1
MEAGHER	0	0	0	0	0
MINERAL	5	0	0	0	5
MISSOULA	280	13	3	1	297
MUSSELSHELL	3	0	0	0	3
PARK	16	0	0	0	16
PETROLEUM	2	0	0	0	2
PHILLIPS	3	0	0	0	3
PONDERA	4	0	0	0	4
POWDER RIVER	2	0	0	0	2
POWELL	7	0	0	1	8
PRAIRIE	0	0	0	0	0
RAVALLI	41	2	0	0	43
RICHLAND	16	1	0	0	17
ROOSEVELT	84	0	0	0	84
ROSEBUD	55	1	0	0	56
SANDERS	14	1	0	0	15
SHERIDAN	3	0	0	0	3
SILVER BOW	104	5	0	0	109
STILLWATER	8	0	0	0	8
SWEET GRASS	3	0	0	0	3
TETON	5	0	0	0	5
TOOLE	8	0	0	0	8
TREASURE	1	0	0	0	1
VALLEY	8	0	0	0	8
WHEATLAND	1	0	0	0	1
WIBAUX	0	0	0	0	0
YELLOWSTONE	438	36	2	6	482
UNKNOWN	7	0	0	0	7
Total	2758	122	8	11	2899
YTD 2006:	2649	194	2	0	2571

CASES ARE COUNTED BY DATE OF REPORT TO DPHHS AND MAY DIFFER SLIGHTLY FROM
COUNTY NUMBERS AT ANY GIVEN TIME.

TABLE C-1
 REPORTED NEOPLASMS BY ANATOMICAL SITE AND SEX
 MONTANA RESIDENTS, 1998-2007 DIAGNOSES
 CASES REPORTED AS OF OCTOBER 2008
 MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL	PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
TOTAL, ALL SITES	25,194	23,407	48,601				
Buccal Cavity and Pharynx	743	298	1,041	Female Genital System	---	2,518	2,518
Lip	153	41	194	Cervix	---	341	341
Tongue	162	70	232	Uterus	---	1,200	1,200
Major Salivary gland	76	44	120	Ovary	---	798	798
Floor of Mouth	42	18	60	Vagina	---	31	31
Gum & Other Mouth	67	56	123	Vulva	---	122	122
Nasopharynx	23	10	33	Other Female Genital Organs	---	26	26
Tonsil	133	32	165	Male Genital System	8,592	---	8,592
Oropharynx	27	9	36	Prostate	8,276	---	8,276
Hypopharynx	41	12	53	Testis	266	---	266
Pharynx	19	6	25	Penis	42	---	42
				Other Male Genital Organs	8	---	8
Digestive System	4,365	3,662	8,027	Urinary System	2,537	1,015	3,552
Esophagus	365	101	466	Bladder	1,745	548	2,293
Stomach	384	227	611	Kidney & Renal Pelvis	748	440	1,188
Small Intestine	88	72	160	Ureter	35	22	57
Colon	1,715	1,791	3,506	Other Urinary Organs	9	5	14
Rectum & Rectosigmoid	852	527	1,379	Brain & Other Nervous System	397	296	693
Anus & Anocanal	45	80	125	Brain	378	289	667
Liver	222	134	356	Other Nervous System	19	7	26
Gallbladder	31	72	103	Endocrine System	265	764	1,029
Other Biliary	71	61	132	Thyroid Gland	232	725	957
Pancreas	555	512	1,067	Other Endocrine	33	39	72
Retroperitoneum	14	22	36	Lymphoma*	1,171	940	2,111
Peritoneum	5	51	56	Hodgkin Disease	137	108	245
Other Digestive Organs	18	12	30	Non-Hodgkin Lymphoma	1,034	832	1,866
Respiratory System	3,923	3,240	7,163	Multiple Myeloma	298	246	544
Nasal Cavity & Sinuses	40	21	61	Leukemia	776	541	1,317
Larynx	265	83	348	Acute Lymphocytic	57	48	105
Lung & Bronchus	3,605	3,130	6,735	Chronic Lymphocytic	283	180	463
Trachea & Pleura	13	6	19	Acute Myeloid	218	177	395
Bones & Joints	50	50	100	Chronic Myeloid	109	68	177
Soft Tissue	134	133	267	Other Leukemia	109	68	177
Melanoma	897	713	1,610	Unknown and Ill-defined Sites	952	849	1,801
Breast	39	8,101	8,140				
Eye	55	41	96				

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE C-2
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX, AND AGE
MONTANA RESIDENTS, 1998-2007 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2008
MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES																								
AGE AT DIAGNOSIS	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKIN*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
0-4	-	---	-	-	-	1	-	-	-	-	1	-	---	-	1	2	---	-	-	1	50	50	52	54
5-9	-	---	-	-	-	-	-	-	-	-	-	-	---	-	7	1	---	1	-	-	36	22	43	24
10-14	-	---	-	1	-	1	-	-	-	-	-	-	---	-	12	9	---	2	-	-	36	25	48	38
15-19	-	---	-	-	3	2	1	1	-	1	-	1	---	-	14	18	---	3	-	-	69	54	87	80
20-24	-	---	-	1	-	-	2	3	1	1	1	-	---	1	23	19	---	9	-	-	89	78	116	112
25-29	-	---	-	18	1	2	3	2	3	1	2	2	---	2	19	17	---	5	-	-	108	127	136	176
30-34	1	---	-	60	3	-	4	6	-	4	1	1	---	6	30	16	---	9	-	-	132	166	171	268
35-39	1	---	-	213	9	11	16	11	7	8	7	1	---	22	30	15	---	15	2	1	183	233	255	530
40-44	29	---	1	495	24	47	29	25	26	15	21	4	---	45	44	26	---	29	5	5	283	353	462	1,044
45-49	146	---	1	833	81	78	40	49	48	35	38	18	---	71	72	44	---	67	16	18	435	384	877	1,597
50-54	506	---	2	1,025	170	138	107	71	77	43	75	23	---	135	75	47	---	93	49	32	614	444	1,675	2,051
55-59	959	---	5	1,000	281	252	122	118	85	47	139	38	---	161	98	64	---	79	54	33	686	486	2,429	2,278
60-64	1,314	---	6	902	423	372	178	151	127	56	208	54	---	180	123	91	---	82	62	52	731	430	3,172	2,370
65-69	1,654	---	7	929	548	505	248	220	113	67	225	73	---	155	142	89	---	95	80	64	877	546	3,894	2,743
70-74	1,522	---	4	816	725	575	270	246	135	71	272	85	---	135	143	116	---	76	88	58	874	597	4,033	2,775
75-79	1,132	---	5	773	665	527	295	278	107	65	293	86	---	124	151	138	---	77	80	75	859	642	3,587	2,785
80-84	568	---	3	589	410	369	214	296	78	58	264	76	---	86	109	116	---	87	66	83	646	592	2,358	2,352
85+	444	---	5	446	262	250	186	314	45	55	198	86	---	77	78	110	---	69	53	90	528	633	1,799	2,130
TOTAL	8,276	---	39	8,101	3,605	3,130	1,715	1,791	852	527	1,745	548	---	1,200	1,171	938	---	798	555	512	7,236	5,862	25,194	23,407

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE C-3
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX AND COUNTY OF RESIDENCE
MONTANA RESIDENTS, 1998-2007 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2008
MONTANA CENTRAL TUMOR REGISTRY

COUNTY OF RESIDENCE	PRIMARY CANCER SITES																							
	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKIN*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Beaverhead	73	---	-	82	27	29	14	16	7	1	18	2	---	13	8	12	---	7	7	6	60	57	214	225
Big Horn	70	---	-	80	40	23	15	12	11	8	24	5	---	8	13	5	---	7	3	6	80	77	256	231
Blaine	67	---	-	56	19	29	10	12	4	4	11	3	---	8	6	9	---	4	6	1	40	30	163	156
Broadwater	48	---	1	47	35	21	7	7	5	4	15	5	---	9	6	4	---	6	3	1	36	23	156	127
Carbon	124	---	-	76	47	32	20	17	11	12	19	6	---	12	18	10	---	14	4	6	97	79	340	264
Carter	16	---	-	10	3	2	6	4	2	1	2	---	---	3	-	-	---	1	-	-	5	7	33	30
Cascade	815	---	6	787	353	319	144	169	82	58	143	54	---	131	91	90	---	64	33	39	598	521	2,265	2,232
Chouteau	61	---	1	67	20	23	15	21	12	6	12	7	---	10	6	8	---	10	3	1	46	36	176	189
Custer	133	---	-	101	68	58	38	51	17	9	26	12	---	24	19	17	---	9	12	14	112	99	425	394
Daniels	15	---	1	16	14	10	7	6	5	3	-	1	---	2	6	3	---	2	1	-	14	15	63	58
Dawson	96	---	1	88	46	42	26	24	13	5	18	9	---	14	11	10	---	10	5	5	84	71	300	278
Deer Lodge	113	---	1	65	53	38	18	29	10	5	17	5	---	11	17	11	---	6	7	4	87	66	323	240
Fallon	30	---	-	20	13	15	6	8	6	3	9	1	---	7	2	4	---	1	-	1	27	18	93	78
Fergus	176	---	1	117	50	54	33	31	16	17	27	9	---	26	24	22	---	17	12	11	148	92	487	396
Flathead	807	---	3	801	297	259	151	168	66	48	159	47	---	117	104	81	---	74	68	46	596	487	2,251	2,128
Gallatin	382	---	5	556	128	128	61	82	46	22	86	35	---	74	69	47	---	52	32	24	396	355	1,205	1,375
Garfield	12	---	-	10	6	3	6	2	-	-	3	-	---	1	3	1	---	1	1	3	14	10	45	31
Glacier	63	---	-	115	41	40	29	26	14	3	10	-	---	17	8	17	---	1	5	4	80	70	250	293
Golden Valley	15	---	-	11	5	10	3	1	1	1	6	-	---	2	-	1	---	3	-	-	16	13	46	42
Granite	28	---	-	24	13	10	4	7	1	-	5	1	---	1	5	1	---	6	2	2	26	11	84	63
Hill	144	---	1	132	59	65	39	33	17	12	30	5	---	20	16	16	---	14	11	10	122	101	439	408
Jefferson	79	---	-	74	45	22	15	11	13	5	20	5	---	11	11	10	---	11	4	6	79	47	266	202
Judith Basin	41	---	-	18	15	6	6	3	4	1	3	4	---	4	4	1	---	1	1	1	24	13	98	52
Lake	209	---	-	225	126	80	56	52	37	14	42	14	---	35	49	20	---	27	19	12	224	161	762	640
Lewis & Clark	449	---	1	519	193	215	95	93	45	39	96	30	---	95	67	63	---	42	25	32	401	354	1,372	1,482
Liberty	30	---	-	22	7	10	6	5	2	1	3	3	---	9	1	2	---	1	-	3	25	22	74	78
Lincoln	200	---	1	228	109	103	37	47	20	9	60	14	---	27	34	24	---	21	17	6	160	130	638	609
McCone	19	---	-	20	4	1	7	7	4	3	4	3	---	3	3	3	---	-	3	1	15	8	59	49
Madison	63	---	1	65	33	17	9	13	9	3	14	5	---	9	4	7	---	6	1	5	65	40	199	170
Meagher	24	---	-	16	11	10	3	1	5	1	7	1	---	2	5	1	---	2	1	4	21	13	77	51
Mineral	42	---	-	28	33	23	6	6	5	2	12	4	---	5	3	1	---	5	6	5	42	18	149	97
Missoula	664	---	3	821	293	242	122	144	51	45	142	57	---	84	88	90	---	77	49	52	642	476	2,054	2,088
Musselshell	50	---	-	42	31	30	6	15	6	4	8	2	---	9	5	4	---	5	4	3	47	45	157	159
Park	148	---	-	141	51	58	27	30	17	8	40	8	---	18	30	15	---	21	3	12	117	119	433	430
Petroleum	4	---	-	4	1	1	-	2	1	1	1	1	---	1	-	-	---	-	2	-	1	3	10	13
Phillips	51	---	-	42	26	27	10	15	9	4	11	3	---	5	5	6	---	3	3	2	45	31	160	138
Pondera	71	---	-	56	28	23	8	9	9	5	9	3	---	9	8	12	---	4	4	5	70	57	207	183
Powder River	18	---	-	14	6	6	3	1	1	-	8	-	---	2	3	1	---	-	4	2	14	9	57	35
Powell	71	---	-	41	47	24	10	13	2	3	14	4	---	5	11	8	---	3	9	7	88	38	252	146
Prairie	24	---	-	12	7	6	6	9	2	3	6	-	---	3	4	3	---	1	3	1	16	14	68	52
Ravalli	391	---	2	330	160	112	74	69	22	21	97	20	---	37	48	36	---	33	23	19	320	242	1,137	919
Richland	43	---	-	82	55	36	14	16	18	6	10	3	---	6	16	9	---	7	6	7	59	45	221	217
Roosevelt	53	---	1	83	43	27	14	25	10	3	9	1	---	8	10	8	---	8	3	2	95	54	238	219
Rosebud	61	---	-	63	34	22	30	19	8	5	11	4	---	3	8	12	---	7	3	6	69	56	224	197
Sanders	134	---	-	111	66	34	32	29	9	5	29	6	---	15	30	11	---	14	10	9	116	82	426	316
Sheridan	33	---	1	33	19	19	10	5	7	5	13	1	---	8	7	6	---	7	5	1	37	41	132	126
Silver Bow	280	---	-	228	153	135	78	82	25	16	66	26	---	39	28	24	---	27	20	20	243	215	893	812
Stillwater	117	---	-	79	36	30	17	18	13	5	13	2	---	11	14	11	---	11	7	7	87	65	304	239
Sweet Grass	45	---	-	36	11	14	5	7	5	1	7	3	---	3	5	8	---	2	1	1	35	28	114	103
Teton	90	---	-	81	23	21	21	16	3	1	9	4	---	9	5	4	---	7	2	1	49	48	202	192
Toole	47	---	1	46	21	17	14	12	7	3	11	3	---	10	9	6	---	-	2	3	45	24	157	124
Treasure	15	---	-	9	8	5	5	2	3	2	2	1	---	1	2	2	---	1	-	1	2	10	37	34
Valley	81	---	-	82	39	34	24	23	11	5	25	2	---	22	17	12	---	14	9	6	102	66	308	266
Wheatland	36	---	-	18	7	7	9	3	6	1	7	1	---	1	2	2	---	3	-	3	24	14	91	53
Wibaux	17	---	-	4	1	3	4	3	3	2	4	-	---	1	6	-	---	1	1	2	10	5	46	21
Yellowstone	1,283	---	7	1,167	526	500	280	260	114	73	291	101	---	180	197	147	---	117	90	81	1,161	1,028	3,949	3,654
Unknown	5	---	-	-	-	-	-	-	-	-	2	-	---	-	-	1	---	-	-	-	2	9	3	3
TOTAL	8,276	---	39	8,101	3,605	3,130	1,715	1,791	852	527	1,745	548	---	1,200	1,171	939	---	798	555	512	7,236	5,861	25,194	23,407

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

OFFICE OF VITAL STATISTICS

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